DOTD Form 24-102

Contract No. 4400026913

IDIQ Contract for the Design of Safety Projects Statewide with Majority of Work in Districts 04, 05 and 58

LAZENBY & ASSOCIATES, INC.


Sections
1 - 13
LAZENBY
& ASSOCIATES, INC.

DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	IDIQ CONTRACT FOR THE DESIGN OF SAFETY PROJECTS STATEWIDE WITH MAJORITY OF WORK IN DISTRICT 04, 05 AND 58
2. Contract Number(s) as shown in the advertisement	4400026913
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name **(name must match as registered with the Louisiana Secretary of State where such registration is required by law)**	Lazenby & Associates, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	LAPELS Registration No. 416 Engineering LAPELS Registration No. 68 Land Surveying DUNNS Unique Entity ID: NJWWBHQXB6W5
6. Prime consultant mailing address	2000 North 7th Street West Monroe, LA 71291
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	2000 North 7th Street West Monroe, LA 71291
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Paul D. Fryer, P.E., P.L.S., Senior Vice-President (318) 387-2710, Extension 125 pfryer@lazenbyengr.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Jerry G. Lazenby, P.E., P.L.S., President (318) 387-2710, Extension 111 jlazenby@lazenbyengr.com

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	 Signature above shall be the same person listed in Section 9: Date: May 23, 2023

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s):	Firm(s)' %:
	Vectura Consulting Services, LLC	15%

12. Past Performance Evaluation Discipline Table:

As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.

The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

Past Performance Evaluation Discipline(s)	% of Overall Contract	Lazenby & Associates, Inc.	Wetlands Unlimited, LLC	Vectura Consulting Services, LLC	Each Discipline must total to 100%
Road	50%	100%			**100%**
Survey	30%	100%			**100%**
Traffic	15%			100%	**100%**
Environmental	5%		100%		**100%**
Percent of Contract	**100%**	80%	5%	15%	100%

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses.
The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Lazenby & Associates, Inc.	CADD Drafter	2	3
	CADD Operator	1	1
	Clerical	0	3
	Engineer	3	6
	Engineer Intern	1	1
	Survey Instrumentman	2	2
	Survey Party Chief	2	2
	Principal	1	1
	Survey Rodman	2	2
	Supervisor Engineer	1	3
	Surveyor	1	1
	Inspector Certified	0	2
	Inspector	0	1
	Sub-Total	**16**	**28**
Wetlands Unlimited, LLC	Biologist/Wetlands	1	1
	Environmental Pro	1	1
	Environmental Manager	1	1
	GIS Analyst	1	1
	Professional	1	1
	Technician	1	1
	Sub-Total	**6**	**6**
Vectura Consulting Services, LLC	Supervisor	2	2
	Engineer	4	4
	Engineer Intern	1	1
	Inspectors	2	2
	Sub-Total	**9**	**9**
	Total	**31**	**43**

(Add rows as needed)


Sections
14 - 16
LAZENBY
& ASSOCIATES, INC.

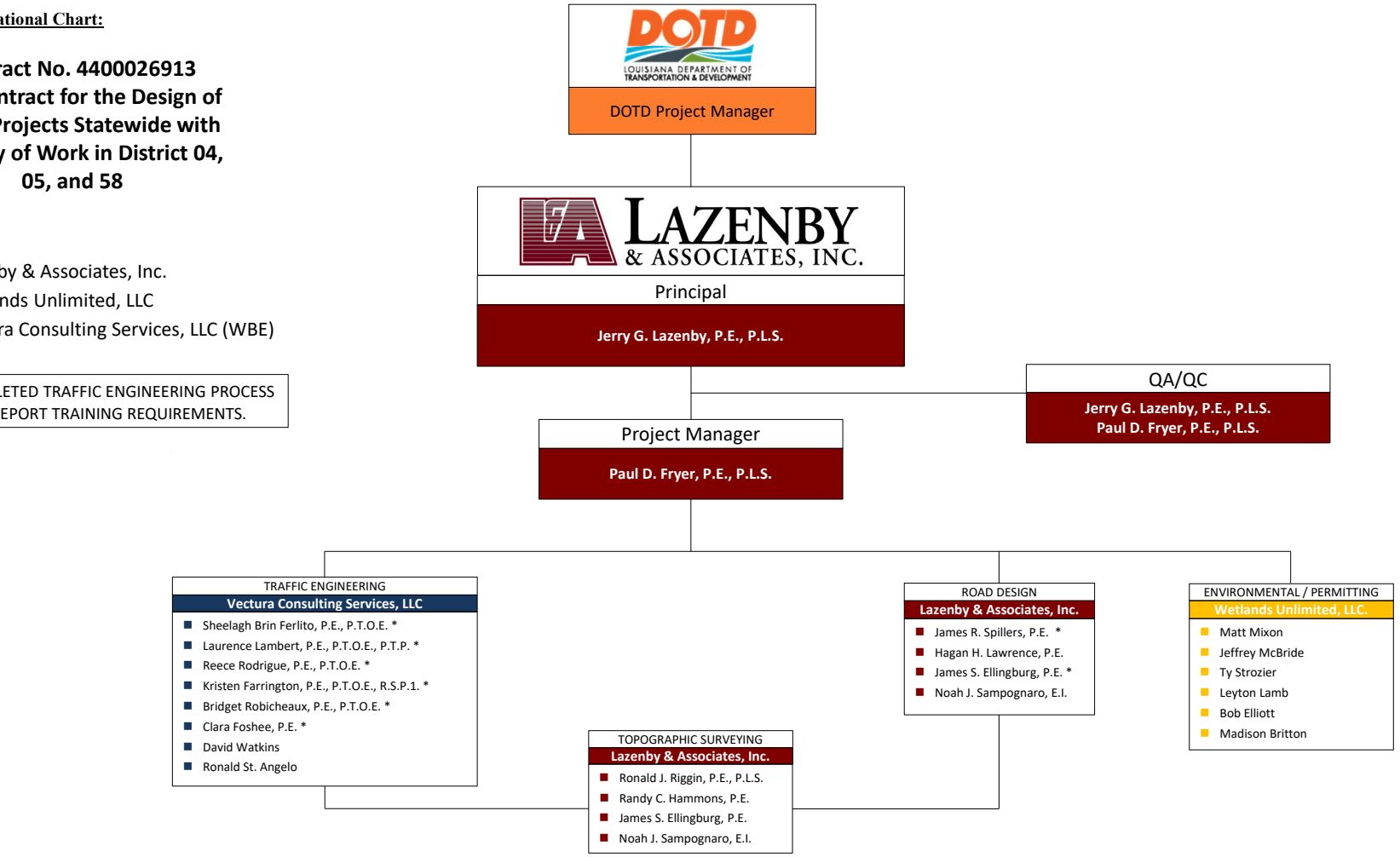
14. **Organizational Chart:**

Contract No. 4400026913
IDIQ Contract for the Design of Safety Projects Statewide with Majority of Work in District 04, 05, and 58

LEGEND

- Lazenby & Associates, Inc.
- Wetlands Unlimited, LLC
- Vectura Consulting Services, LLC (WBE)

* - COMPLETED TRAFFIC ENGINEERING PROCESS AND REPORT TRAINING REQUIREMENTS.



MEETS MPR REQUIREMENT

- Jerry G. Lazenby, P.E., P.L.S. (1,2)
- Paul D. Fryer, P.E., P.L.S. (2,3)
- James R. Spillers, P.E. (3)
- Ronald J. Riggin, P.E., P.L.S. (4)
- Sheelagh Brin Ferlito, P.E., P.T.O.E. (5)
- Laurence Lambert, P.E., P.T.O.E., P.T.P. (5)
- Reece Rodrigue, P.E., P.T.O.E. (5)
- Kristen Farrington, P.E., P.T.O.E., R.S.P.1. (5)

COMPLETED WORK ZONE TRAINING REQUIREMENTS

- Jerry G. Lazenby, P.E., P.L.S.
- Paul D. Fryer, P.E., P.L.S.
- James R. Spillers, P.E.
- Ronald J. Riggin, P.E., P.L.S.
- James S. Ellingburg, P.E.
- Randy C. Hammons, P.E.
- Hagan H. Lawrence, P.E.
- Noah J. Sampognaro, E.I.
- Sheelagh Brin Ferlito, P.E., P.T.O.E.
- Laurence Lambert, P.E., P.T.O.E., P.T.P.
- Reece Rodrigue, P.E., P.T.O.E.
- Kristen Farrington, P.E., P.T.O.E.
- David Watkins
- Ronald St. Angelo

15. Minimum Personnel Requirements:

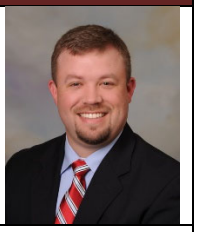
Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Jerry G. Lazenby, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 12104 Civil	LA	03/31/2024
2	Jerry G. Lazenby, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 12104 Civil	LA	03/31/2024
2	Paul D. Fryer, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 23426 Civil	LA	09/30/2023
3	James Ryan Spillers, P.E.	Lazenby & Associates, Inc.	P.E. License No. 28574 Civil	LA	09/30/2023
3	Paul D. Fryer, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 23426 Civil	LA	09/30/2023
4	Ronald J. Riggin, P.E., P.L.S.	Lazenby & Associates, Inc.	P.L.S. License No. 5119	LA	03/31/2025
5	Sheelagh Brin Ferlito, P.E., P.T.O.E.	Vectura Consulting Services, Inc.	P.E. License No. 25383 Civil	LA	09/30/2023
5	Laurence Lambert, P.E., P.T.O.E., P.T.P.	Vectura Consulting Services, Inc.	P.E. License No. 29901 Civil	LA	3/31/2024

(Add rows as needed)

16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Ellingburg, James S. P.E.**			Years of experience with this firm/employer	14
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering		
Active registration number / state / expiration date			P.E. 0037236 / Louisiana / 09/30/2022		
Year registered	2012	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Road Design, Hydraulic Analysis & Design, Topographic Survey		



Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Ellingburg has over 14 years of experience in developing roadway plans on both LDOTD and local roadway projects. Mr. Ellingburg is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Ellingburg has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects. Mr. Ellingburg has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) Designing Streets for Pedestrians and Bicyclists Workshop, 2016 Highway Safety Manual Workshop, 2016 Roundabout Design Workshop, 2013 Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021 One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022
05/08 – 06/15	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Ellingburg initially served as an engineering technician, checking the topographic survey in the field for accuracy. Mr. Ellingburg then served as a project staff engineer, assisting the project engineer with development of existing drainage maps, drainage design maps, utility adjustments, and developing roadway plans. Mr. Ellingburg also assisted with roundabout designs, and sequence of construction in both Preliminary and Final plan development. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts that required extensive geometric design and graphical grade development in order to meet AASHTO and LDOTD standards and requirements for safety. Once the project was let for construction, Mr. Ellingburg provided construction support on an as-needed basis by answering field questions from the contractor or LDOTD.
12/10 – 10/12	State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish. Mr. Ellingburg served as a project staff engineer, working on development of existing drainage maps, design drainage maps, roadway drainage plans, and assisting with roadway and bridge design and plan development for both Preliminary and Final plans. This project consisted of reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2 mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. There are three bridge sites on the project.
11/11 – 01/12	State Project No. H.004684: El Camino East/West Corridor, Route LA 6, Natchitoches Parish. Mr. Ellingburg served as a project staff engineer, developing existing drainage maps for a LDOTD Topographic Survey.
09/17 – Present	State Project Nos. H.004774 & H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Ellingburg served as a project staff engineer, assisting with generating topographic survey deliverables, developing existing drainage maps for the topographic survey

	portion of the project. During the design and plan preparation portion of the project, Mr. Ellingburg has performed drainage design, developed design drainage maps, and assisted with design of five multi-lane roundabouts, developing graphical grades and assisting with geometric design. This urban project includes five multilane roundabouts and interstate ramp modifications that required extensive geometrics and graphical grades in order to meet AASHTO and LDOTD standards and requirements for safety. The final plans are currently 98% complete.
01/17 – Present	Ouachita Parish Police Jury Road Program. Mr. Ellingburg is an integral team member of the Ouachita Parish Police Jury Road Program. His duties consist of evaluating parish roadways and developing pavement preservation construction plans, including drainage design, to preserve and extend the life of Ouachita Parish roadways, some of which are design and constructed under the LDOTD Urban Systems program. Mr. Ellingburg has also served as project engineer during construction, ensuring that the projects are built in accordance with the plans and specifications. Some of the Ouachita Parish Urban System projects that Mr. Ellingburg has provided professional services, including serving as the project engineer during construction, include the following: State Project No. H.011747 – Edwards Road (Reconstruction) State Project No. H.013796 – Tanglewood Drive (Reconstruction) State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) State Project No. H.013803 – Richwood Road No. 2 (Mill, Patch and Overlay) State Project No. H.013804 – Wall Williams Road (Mill, Patch and Overlay and includes a segment of Reconstruction) State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction)
03/21 – 01/22	Pinecrest Road Intersection Improvements - Ouachita Parish Police Jury Roadway Safety Improvement Project. Mr. Ellingburg served as a project engineer by performing quality control and constructability reviews on the prepared plans. Mr. Ellingburg also provided construction support by assisting the project engineer with construction questions.
11/22 – Present	State Project No. H.007289: Kansas Ln Ext (Old Sterl.-US165) Phase 1, Ouachita Parish. Mr. Ellingburg is serving as the project engineer during construction of this project, ensuring that the project is built in accordance with the plans and specifications, coordinating testing to ensure compliance with LDOTD Material Sampling Manual, and coordinating construction activities with utility companies and railroad personnel to keep the project on schedule.

16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Fryer, Paul D. P.E., P.L.S.**		Years of experience with this firm/employer	37	
Title	Senior Vice-President		Years of experience with other firm(s)/employer(s)	2	
Degree(s) / Years / Specialization			B.S. / 1984 / Civil Engineering		
Active registration number / state / expiration date			P.L.S. 0004806/ Louisiana / 09/30/2023 P.E. 0023426 / Louisiana / 09/30/2023		
Year registered	1987 1997	Discipline	Professional Engineer (Civil and Environmental) Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Project Manager, QA-QC		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Fryer has over 37 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. Mr. Fryer is familiar with LDOTD and AASHTO design standards for roadway design and plans development. Mr. Fryer has performed professional engineering and land surveying services on a variety of projects involving line and grade studies, major investment studies, location and Stage "0" studies as well as topographic surveys, property surveys, development of ROW maps. Mr. Fryer also has extensive experience in developing preliminary and final roadway plans on a variety of LDOTD projects, and has served in a QA-QC role on many different projects throughout his career. Mr. Fryer is familiar with the LDOTD Location and Survey Manual for conducting topographic surveys, property surveys and developing right-of-way maps. He has overseen the development of right-of-way maps for various LDOTD projects for over 20 years. Mr. Fryer has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making On this project Mr. Fryer meets the MPR Requirement Nos. 2 and 3.
01/96 – 09/96	State Project No. 038-03-0022: US 425 (Bastrop – Log Cabin), Morehouse Parish. Mr. Fryer prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 3.2-mile segment of US 425 to four lanes.
04/96 – 12/96	State Project No. 038-03-0024: US 425 (Log Cabin – Junction LA 142), Morehouse Parish. Mr. Fryer prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 5.2-mile segment of US 425 to four lanes.
04/95 – 03/00	State Project No. 043-01-0017: Dugdemona River and Relief Bridges, Jackson Parish. Mr. Fryer prepared preliminary and final roadway plans. This project consisted of the construction of two voided slab span bridges (main bridge and relief structure) and roadway approaches on new alignment.
11/95 – 06/00	State Project No. 172-01-0011: Bayou DeGlaise Bridge, Morehouse Parish. Mr. Fryer prepared preliminary and final roadway and final roadway plans. This project consisted of the construction of a slab span bridge and roadway approaches on new alignment.
01/97 – 10/99	State Project No. 026-05-0017: LA 15 (Sicily Island – Jct. LA 913), Catahoula Parish. Mr. Fryer was responsible for preparation of preliminary and final roadway and bridge plans. This project consisted of widening a 4.5-mile segment of LA 15 to four lanes as part of the LA TIMED Program.

01/04 – 05/07	State Project No. 700-30-0061: US 167, Lillie to Arkansas State Line, Union Parish. Mr. Fryer served as project manager, roadway designer, and surveyor responsible for development of final roadway plans, and right-of-way maps. This project consisted of the conversion of a 7.2-mile section of a rural two-lane arterial route to a four-lane divided arterial route under the LA TIMED Program.
10/07 – 04/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Fryer served as project manager, was responsible for QA-QC of the plans, and was surveyor in charge of right-of-way maps. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts.
07/10 – 05/18	State Project No. H.003854: Bossier North-South Corridor from Route I-220/Swan Lake Road Interchange to Crouch Road, Bossier Parish. Mr. Fryer served as project manager, was responsible for QA-QC of the plans, and was the surveyor in charge of right-of-way maps. This project consisted of reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. There are three bridge sites on this project.
02/18 - Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Fryer serves as project manager, is responsible for QA-QC of the roadway plans, and prepared right-of-way maps for the widening of a section of Garrett Road crossing I-20 and connecting to Kansas Lane north of Millhaven Road and the KCS Railroad track to a four-lane arterial route. This project includes the design of five-multi lane roundabouts as well as interstate highway ramp improvements and frontage road realignments and improvements. Final plans for this project are currently 98% complete.
05/08 – 05/12	State Project No. H.004780.5 – Kansas Lane Connector (Route US 80 to Route US 165) City of Monroe Urban systems, Ouachita Parish. Mr. Fryer served as project manager and surveyor responsible for conducting topographic surveys, property surveys, and developing right-of-way maps as a sub-consultant to Denmon Engineering Co., Inc. This project involves construction of a four-lane urban arterial route around the University of Louisiana at Monroe connecting US 80 on the south end and US 165 on the northern end.
11/10 – 05/13	Project Surveyor for Contract No. 4400000685: Retainer Contract for Professional Surveying Services - Statewide. This retainer contract authorized 23 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/08 – 04/11	Project Surveyor on Contract No. 4400000638: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract authorized 15 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
11/11 – 01/15	Project Surveyor on Contract No. 4400001328: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/18 – 03/23	Project Surveyor on Contract No. 4400012667: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 5-year period.
07/20 – 06/21	Guard Rail Replacement (Loop Rd., Pecanland Mall, and Plum St.), Ouachita Parish. This project consisted of the replacement of guard rail at three (3) sites in the City of Monroe. Mr. Fryer performed a QA-QC check of the construction plans.
08/22 – present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Mr. Fryer was responsible for QA-QC of the roadway plans for this project, which consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project is being funded by LDOTD under a Cooperative Endeavor Agreement with the Ouachita Parish School Board, and will be constructed under a LDOTD Project Permit.

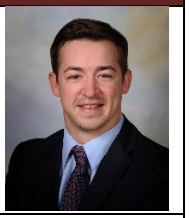
16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Hammons, Randy C., P.E.**			Years of experience with this firm/employer	21
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	8
Degree(s) / Years / Specialization			B.S. / 1993 / Civil Engineering		
Active registration number / state / expiration date			P.E. 0029504 / Louisiana / 09/30/2023		
Year registered	2001	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Topographic Survey		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Hammons has in excess of 25 years of experience in planning and designing highways and bridges on transportation projects in Louisiana, Arkansas, Mississippi, and Tennessee. Mr. Hammons has approximately 15 years of experience supervising and processing topographic survey data, including establishing survey control, calculating existing alignments, creating digital terrain models (DTM's), and developing existing drainage maps for LDOTD projects. Mr. Hammons has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher)
10/14 – 06/17	Project Engineer processing topographic survey field data and development of topographic survey maps and images for State Contract No. 4400004541: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract contained eight task orders to perform topographic surveys for various projects at a cost of $811,513 over a 3-year period. Some of the task orders for Topographic Surveys were as follows: State Project No. H.004774.5 – Kansas Lane – Garrett Road Connector & I-20 Interchange Improvements, in Ouachita Parish. (06/2015 – 06/2016). Topographic survey using GPS receivers and robotic total stations. State Project No. H.001270.5 – LA I-X: Natchitoches By-Pass on Keyser Avenue and the Cane River in Natchitoches Parish. (04/2017 – 07/2017). Topographic Survey of road and bridge replacement project using GPS receivers, robotic total stations and a SX-10 terrestrial scanner. State Project No. H.009997.5 – US 167: Johnston Street Improvements on Route US 167 in Lafayette Parish. (04/2017 – 09/2017). Topographic survey of a heavily traveled urban system route in Lafayette, Louisiana using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.
01/10/2017 – 01/10/2020	Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400009384: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract contained six task orders to perform topographic surveys for various projects at a cost of $989,478 over a 3-year time frame. Some of the task orders for Topographic Surveys were as follows: State Project No. H.003370.5 – I-220/I-20 Interchange and BAFB Access, Route I-220 & I-20 in Bossier Parish (04/2018 – 10/2018). Topographic survey of the proposed I-220/I-20 Interchange and BAFB Access roadway in Bossier Parish using GPS receivers, robotic total stations, SX-10 terrestrial scanner, and mobile lidar. State Project No. H.007300.5 & H004774.5 – Kansas Lane – Garrett Road Connector and I-20 Interchange in Ouachita Parish (3/2018 – 9/2018) Topographic Survey of the proposed Kansas Lane - Garrett Road Connector and I-20 Interchange using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.

	State Project No. H.012036.5 – US 80: Boeuf River Bridge in Richland Parish (03/2019 – 6/2019). Topographic survey for a bridge replacement project at the US 80 crossing of the Boeuf River using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.
10/19 – present	Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract has contained fifteen task orders to perform topographic surveys for various projects at a cost of $1,825,144 over a 5-year time frame. Some of the task orders for Topographic Surveys were as follows: State Project No. H.011706.5 – BNSF Several RR Xings (Baldwin) in St. Mary Parish (01/2021-08/2021). Topographic survey of the BNSF RR and several local urban routes and crossings in the town of Baldwin, Louisiana using GPS receivers and robotic total stations. State Project No. H.012030 – US 371: KCS RR Overpass HBI, Route LA 159 and US 371 in Webster Parish (10/2020-04/2021). Topographic survey of two bridge replacements over KCS RR using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges. State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021). Topographic survey of two bridge replacement sites using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges. State Project No. H.013832.5 – LA 6: Grand Ecore Bridge Deck Repair, Route LA 6 in Natchitoches Parish (04/2021-06/2021). Topographic survey of the existing deck, barrier rails & river pier top of cap elevations for the Grand Ecore Bridge across the Red River using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate complete bridge deck & barrier rails. State Project No. H.008220.5 – LA 406 @ F.E. Hebert Roundabout, Route LA 406 in Plaquemines Parish (03/2021-07/2021). Topographic survey of a proposed roundabout site located at the intersection of LA 406 and Keating Dr and F.E. Hebert Blvd using GPS receivers and robotic total stations. State Project No. H.014554.5 – LA 3025: Coulee Mine Scour Repair, Route LA 3025 in Lafayette Parish (04/2021-07/2021). Topographic survey of a bridge located near the intersection of LA 3025 & West Bayou Parkway using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridge, roadway and intersection. State Project No. H.012541.5 – LA 594: Overpass I-20, Route LA 594 in Ouachita Parish (01/2022-06/2022). Topographic survey of a bridge replacement near the intersection of I-20 and LA 594 (Texas Ave) using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar used to locate 4,200 LF of I-20 mainline and two bridge decks over interstate. State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022). Topographic survey of a proposed 2.49 mi interstate widening near the intersection of Garrett Road and I-20 using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 7,130 LF of I-20 mainline.
01/20 - present	Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400017710: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract has contained one task order to perform topographic surveys at a cost of $393,871 over a 5-year time frame. The task order for Topographic Surveys is as follows: State Project No. H.015052.5 – I-20 Widening & Improvements (Vancil to LA 34), Route I-20 in Ouachita Parish (05/2022-01/2023). Topographic survey of a proposed 3.94 mi interstate widening from Vancil Road to LA 34 along I-20 in West Monroe using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 20,815 LF of I-20 mainline.

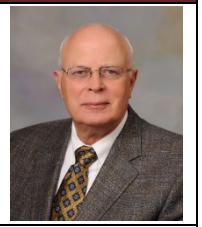
16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Lawrence, Hagan H., P.E.**		Years of experience with this firm/employer	5	
Title	Project Engineer		Years of experience with other firm(s)/employer(s)	2	
Degree(s) / Years / Specialization			B.S. / 2015 / Civil Engineering		
Active registration number / state / expiration date			P.E. 0043645 / Louisiana / 03/31/2024		
Year registered	2019	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Road Design, Hydraulic Design & Analysis		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Lawrence has 8 years of experience in performing drainage design, hydraulic analysis, and development of roadway plans on both LDOTD and local roadway projects. Mr. Lawrence is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Lawrence has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects. Mr. Lawrence has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 LA Specific Traffic Control Supervisor Course, 2020 Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021 One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022
1/16 – 8/17	State Project No. H010287: Well Road Roundabout, Ouachita Parish. Mr. Lawrence Assisted with drainage design, preparation of roadway plans, and quantity calculations (with previous employer). This project involved the construction of a roundabout at the I-20 westbound ramp terminal with Well Road.
02/18 – Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Lawrence has assisted with subsurface drainage design, and assisted with development of drainage plan-profile sheets and design drainage maps. This urban project includes five multilane roundabouts and interstate ramp modifications. The final plans are currently 98% complete.
12/17 – Present	Ouachita Parish Police Jury Road Program. Mr. Lawrence is an integral team member of the Ouachita Parish Police Jury Road Program. His duties consist of developing pavement preservation roadway plans, including drainage design, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Mr. Lawrence has also assisted with processing of topographic survey data, as well as coordinating utility relocation efforts as required to facilitate construction of these projects. Some of the Ouachita Parish Urban Systems projects that Mr. Lawrence has provided professional services on include the following: State Project No. H.011745 – Sandal Street (Reconstruction) State Project No. H.011784 – Stubbs-Vinson Road (Mill, Patch and Overlay)(Project included 8' x 8' RCB) State Project No. H.013791 – Hadley Street (Mill, Patch and Overlay and includes a segment of Reconstruction) State Project No. H.013776 – Well Road (Mill, Patch and Overlay) State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) State Project No. H.013804 – Wall Williams (Mill, Patch and Overlay)(Project included a 3 - 8' x 7' RCB) State Project No. H.013805 – Fink's Hideaway Road (Reconstruction/Mill, Patch and Overlay)

	State Project No. H.014347 – South Grand Street (Mill, Patch and Overlay)(Project included adding ADA compliant sidewalks along the length of the road to improve safety for pedestrians) State Project No. H.014348 – Lee Avenue (Mill, Patch and Overlay) (Project included adding ADA compliant sidewalks along the length of the road to improve safety for pedestrians) Mr. Lawrence assists with construction support on these projects, including answering contractor RFI's and verifying patching areas.
3/21-1/22	Pinecrest Road Intersection Improvements - Ouachita Parish Police Jury Roadway Safety Improvement Project. Mr. Lawrence was the design engineer for the Pinecrest Road Intersection Improvements for the Ouachita Parish Police Jury. This intersection was experiencing operational issues and was deemed substandard. Improvements included reconstructing approximately 175' of the approach roadway and improving the turnout radii. Mr. Lawrence oversaw the processing of topographic survey data, prepared roadway plans and contract documents, and provided construction support services during the construction phase of the project.

16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Lazenby, Jerry G. P.E., P.L.S.**		Years of experience with this firm/employer	41	
Title	President		Years of experience with other firm(s)/employer(s)	16	
Degree(s) / Years / Specialization			B.S. / 1965 / Civil Engineering		
Active registration number / state / expiration date			P.L.S. 0002313/ Louisiana / 03/31/2024 P.E. 0012104 / Louisiana / 03/31/2024		
Year registered	1970 1970	Discipline	Professional Land Surveyor Professional Engineer (Civil and Environmental)		
Contract role(s) / brief description of responsibilities			Principal-In-Charge, Project Supervisor and Contract Management, QA-QC		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Lazenby has over 50 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. The first 9 years of Mr. Lazenby's career were spend with the U.S. Bureau of Public Roads/Federal Highway Administration at various locations in the United States as a Highway Engineer reviewing and assisting state highway officials with transportation projects utilizing Federal-Aid transportation funding from project inception through construction. Mr. Lazenby has designed and supervised numerous projects for LDOTD over the past 45 years. He has been responsible for the firm's growth as well as the reputation of the firm. He has instilled in each member of the firm to provide a professional product and to deliver on time. Mr. Lazenby has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making On this project, Mr. Lazenby meets MPR Requirements No. 1 and No. 2.
06/04 – 03/05 01/06 – 06/09	State Project No. 700-37-0102: US 165 (Jct. LA 841 – Rilla), Ouachita Parish. Mr. Lazenby was Principal-in-Charge of this project and performed QA-QC reviews of the plans. On this project Lazenby & Associates performed topographic surveys, property surveys, ROW maps, alignment studies, and prepared preliminary and final roadway plans on a 4.5-mile section of US 165 being widened and upgraded to a four-lane divided arterial route under the Louisiana TIMED Program.
05/00 – 05/04	State Project No. 700-99-0237: Retainer Contract for Professional Surveying Services, Statewide. Mr. Lazenby was Principle-in-Charge responsible for 15 Task Orders to perform topographic surveys, property surveys, and develop ROW maps on various LDOTD projects in northern Louisiana.
01/04 – 05/07	State Project No. 700-30-0061: US 167 (Lillie to Arkansas State Line), Union Parish. Mr. Lazenby was Principle-in-Charge on this project and performed QA-QC review of the plans. On this project, Lazenby & Associates developed final roadway plans, final bridge plans, and ROW maps on a 7-mile section of US 167 that was widened to a four-lane rural and urban arterial route under the Louisiana TIMED Program.
07/10 – 12/13	State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish. Mr. Lazenby was Principle-in-Charge and performed QA-QC reviews of the plans. On this project, Lazenby & Associates developed topographic surveys, property surveys, right-of-way maps, preliminary roadway and bridge plans and final roadway and bridge plans along a 7.8-mile corridor being developed as an Urban Systems Project by the Bossier Parish Police Jury.
12/07 – 06/15	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Lazenby was Principle-in-Charge, Project Manager, and performed QA-QC reviews of the plans. On this project, Lazenby & Associates performed topographic surveys, property surveys and developed right-of-way maps, preliminary roadway plans and final roadway plans for the widening of a 3.2-mile section of LA 616 from a two-lane rural roadway section to a five-

	lane urban roadway section including four multi-lane roundabouts. The project also included the hydraulic analysis of an existing timber bridge site in which the bridge was replaced with a reinforced concrete box culvert.
09/17 – Present	State Project Nos. H.004774 & H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Lazenby is Principle-in-Charge. On these projects, Lazenby & Associates performed topographic surveys, developed preliminary roadway plans, and is currently developing final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, as well as lighting and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans are currently 98% complete.
10/14 – 06/17	State Contract No. 4400004541: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby was Principle-in-Charge responsible for 8 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
01/17 – 01/20	State Contract No. 4400009384: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby was Principle-in-Charge responsible for 6 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/19 – present	State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby is Principle-in-Charge responsible for 15 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/20 – present	State Contract No. 4400017710: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby is Principle-in-Charge responsible for this contract, which thus far has contained 1 Task Order to perform a topographic survey on S.P.N. H.015052.5: I-20 Widening & Improvements (Vancil to LA 34).

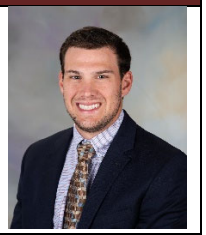
16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Riggin, Ronald J., II, P.E., P.L.S.**			Years of relevant experience with this employer	11
Title	Project Surveyor			Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			B.S. / 2006 / Civil Engineering		
Active registration number / state / expiration date			P.L.S. 0005119/ Louisiana / 03/31/2023 P.E. 0036016 / Louisiana / 03/31/2023		
Year registered	2014 2011	Discipline	Professional Land Surveyor Professional Engineer (Civil)		
Contract role(s) / brief description of responsibilities			Topographic Survey		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Riggin is familiar with the requirements of the LDOTD Location and Survey Section for conducting topographic surveys, property surveys and hydrographic surveys. Mr. Riggin is responsible for quality control of all survey data obtained by survey crews in conducting topographic surveys, property surveys, and hydrographic surveys. Mr. Riggin has over five (5) years of experience in conducting and performing topographic surveys, property surveys, and developing right-of-way maps. Mr. Riggin has successfully completed following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) ATSSA Course for Traffic Flagger, 2020 On this project, Mr. Riggin meets the MPR Requirement No. 4.
07/14 – 06/16	Retainer Contract No. 4400003471 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of $436,473.00 for LDOTD State Projects at various locations in northern Louisiana.
10/14 – 06/17	Retainer Contract No. 4400004541 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 8 Task Orders for an accumulated value of $811,513.00 for LDOTD State Projects at various locations in Louisiana.
04/13 – 06/16	Project Surveyor for Contract No. 4400002862, S.P. # H.008768 – Hydrographic Survey Monitoring of Existing Bridges – Statewide (North Region). Performed hydrographic surveys on 14 Task Orders for monitoring scour at major bridge sites in north Louisiana. Duties included supervision of survey crews, analysis of survey data, and the development of required hydrographic survey reports at the various bridge locations.
04/14 – Present	Professional Surveyor of Record for developing topographic surveys and Property Surveys for private clients on residential developments and commercial developments in Ouachita Parish and northern Louisiana. Professional Engineer of Record for the overall design of residential and commercial developments.
03/15 – 08/17	State Project No. H.011742: Ole Highway 15 Improvements, Ouachita Parish. Mr. Riggin performed a topographic survey of a 2.2-mile section of Ole Hwy 15 from US 80 to LA 616 and then was the project engineer responsible for roadway design. This project consisted of pavement reconstruction under the DOTD Urban Systems program. (Note that we typically perform a full topo survey, within existing right-of-way, on pavement preservation projects on Ouachita Parish roadways. This is not always done on pavement preservation projects in other parts of the state.)
05/16 – 02/18	Project Surveyor on the Steep Bayou Sewer Main project of the West Ouachita Sewerage District No. 5. Mr. Riggin performed a topographic survey of the alignment for a sewer main trunk line from I-20 to New Natchitoches Road along Steep Bayou in Ouachita Parish.

	He also conducted a boundary survey of the right-of-way parcels along this route and developed the necessary ROW maps and legal descriptions.
09/18 – 01/23	Retainer Contract No. 4400012668 – Retainer Contract for Professional Surveying Services – Statewide (North Region). Performed hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties included supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.
06/18 – 09/18	State Project No. H.013776, Well Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 0.8-mile segment of Well Road from LA 838 to I-20 under the DOTD Urban Systems program.
08/18 – 11/18	State Project No. H.013798: Harrell Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.8-mile segment of roadway from US 80 to LA 616 under the DOTD Urban Systems program.
12/18 – 02/19	State Project No. H.013802: Garrett Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 0.4-mile segment of roadway from LA 15 to Austin Street under the DOTD Urban Systems program.
01/19 – 04/19	State Project No. H.013804: Wall Williams Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of segments of mill, patch, and overlay and segments of reconstruction of a 1.6-mile segment of roadway from Good Hope Road to LA 143 under the DOTD Urban Systems program.
04/19 – 07/19	State Project No. H.014348: Lee Avenue, City of Monroe, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.2-mile segment of roadway from Jackson Street to Standifer Avenue under the DOTD Urban Systems program.
07/19 – 09/19	State Project No. H.013796: Tanglewood Drive, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of roadway reconstruction a 0.3-mile segment of roadway from LA 15 to Dellwood Drive under the DOTD Urban Systems program.
02/20 – 04/20	State Project No. H.014347: South Grand Street, City of Monroe, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.8-mile segment of roadway from Orange Street to Standifer Avenue under the DOTD Urban Systems program.
11/20 – present	Retainer Contract No. 4400019714 – Retainer Contract for Professional Surveying Services – Statewide (North Region). Performing hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties include supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.
01/17 – 01/20	Retainer Contract No. 4400009384 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of $989,478 for LDOTD State Projects at various locations in Louisiana.
10/19 – present	Retainer Contract No. 4400015326 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys at various locations in Louisiana. To date, 14 Task Orders have been issued for an accumulated value of $1,825,144.
01/20 – present	Retainer Contract No. 4400017710 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys at various locations in Louisiana. To date, 1 Task Order has been issued for a value of $393,871.

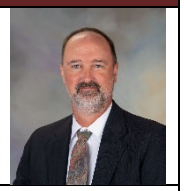
16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Sampognaro, Noah J., E.I.**		Years of experience with this firm/employer	2	
Title	Engineer Intern		Years of experience with other firm(s)/employer(s)	0	
Degree(s) / Years / Specialization			B.S. / 2020 / Civil Engineering		
Active registration number / state / expiration date			E.I. 0034746 / Louisiana / 09/30/2023		
Year registered	2021	Discipline	Civil Engineering (E.I.)		
Contract role(s) / brief description of responsibilities			Road Design, Hydraulic Design & Analysis, Topographic Survey		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Sampognaro has 2 years of experience in performing drainage design, hydraulic analysis, roadway design, and preparation of roadway plans on a variety of LDOTD and local roadway projects. Mr. Sampognaro passed his P.E. Civil Transportation exam in October 2022 and is currently enrolled in the University of Wyoming Cadastral Surveying Certificate Program. Mr. Sampognaro is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Sampognaro also assists in processing topographic survey and mobile LIDAR data, creating survey centerline alignments (ALG's) using horizontal regression analysis, developing digital terrain models (DTM's), and producing existing drainage maps for LDOTD topographic surveys. Mr. Sampognaro has successfully completed the following continuing education classes, workshops, and seminars: TOPO Dot User Conference, 2022 One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022 LA Specific Traffic Control Technician Course, 2022 LA Specific Traffic Control Supervision Course, 2022
01/21 – 06/21	Guard Rail Replacement (Loop Rd., Pecanland Mall, and Plum St.), Ouachita Parish. This project consisted of the replacement of guard rail at three (3) sites in the City of Monroe. Mr. Sampognaro assisted with calculating length of need for guard rail on the Loop Road site, and assisted with construction support by assisting with the final inspection and verifying pay quantities.
08/21 – 11/22	North Frontage Road – Phase 2, Ouachita Parish. Mr. Sampognaro assisted in the development of roadway plans, including performing drainage design calculations and developing existing and design drainage maps. Mr. Sampognaro also assisted with quantity calculations and preparation of a construction cost estimate. This project, which was prepared for the City of Monroe I-20 Economic Development District, consists of a 0.6-mile frontage road on new alignment north of Interstate 20, east of Garrett Road, in Monroe, Louisiana. Mr. Sampognaro also assisted in construction support activities, including, but not limited to, site visits to address contractor RFI's, assisting in processing pay estimates and change orders, and assisting with the final inspection and preparation of a punch list.
01/21 – 06/2022	State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract consisted of fifteen task orders to perform topographic surveys for various projects across Louisiana. Mr. Sampognaro assisted in post-processing topographic survey data which was collected with the use of GPS receivers, robotic total stations, and SX-10 terrestrial scanners, as well as using TOPO Dot software to extract data collected with a terrestrial mobile lidar scanner. His duties also included creating survey centerline alignments (ALG's) and associated reports using horizontal regression analysis, developing existing digital terrain models (DTMs), and producing existing drainage maps.

	Some of the task orders on which Mr. Sampognaro has assisted include the following: State Project No. H.011706.5 – BNSF Several RR Xings (Baldwin) in St. Mary Parish (01/2021-08/2021) State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021) State Project No. H.008220.5 – LA 406 @ F.E. Hebert Roundabout, Route LA 406 in Plaquemines Parish (03/2021-07/2021) State Project No. H.012541.5 – LA 594: Overpass I-20, Route 594 in Ouachita Parish (01/2022-06/2022) State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022)
01/22 – 1/23	State Project No. H.015052: I-20: I-20 Widening/Overlay (Vancil Rd to LA 34). This project consisted of performing a complete topographic survey along I-20 from the Well Road Interchange to the LA 34 (Stella Mill St) Interchange in Ouachita Parish. It also included portions of Well Road, Downing Pines Road, Thomas Road, and LA 34 (Stella Mill St) for a total cumulative length of 25,625 ft (4.85 miles). Data was collected using GPS receivers, robotic total stations, SX-10 terrestrial scanners, and a terrestrial mobile LIDAR scanner. Mr. Sampognaro assisted in post processing the survey data, extracting mobile LIDAR data using TOPO Dot software, and creating the existing drainage map. He also assisted in quality control measures by comparing field data collected by the survey crew to LDOTD as-built drawings.
01/21 – Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Sampognaro has assisted with quantity calculations during final plan development, as well as assisting with preparation of a construction cost estimate. This urban project includes five multilane roundabouts and interstate ramp modifications. The final plans are currently 98% complete.
01/21 – Present	Ouachita Parish Police Jury Road Program. Mr. Sampognaro has assisted with the Ouachita Parish Police Jury Road Program. His duties consist of developing pavement preservation roadway plans, including design of cross drain structures, superelevation correction calculations, and quantity calculations, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Some of the Ouachita Parish Urban Systems projects on which Mr. Sampognaro has assisted include the following: State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction) State Project No. H.014397 – Rowland Road (Mill, Patch and Overlay)
06/21 - Present	City of Monroe, Louisiana roadways. Mr. Sampognaro has assisted with City of Monroe roadways designed under the LDOTD Urban Systems program. His duties consist of developing pavement preservation roadway plans, including hydraulic design, quantity calculations, and construction cost estimates. Some of the City of Monroe Urban Systems projects on which Mr. Sampognaro has assisted include the following: State Project No. H.014347 – South Grand Street (Mill, Patch and Overlay) State Project No. H.014348 – Lee Avenue (Mill, Patch and Overlay) Mr. Sampognaro is currently assisting with construction support activities by field marking and verifying required areas of pavement patching.
08/22 – Present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Mr. Sampognaro assisted in the development of roadway plans and processing the topographic survey data, including creating the existing digital terrain model (DTM), drainage design, and quantity calculations. This project, which was prepared for the Ouachita Parish School board, consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington Louisiana.

16. Staff Experience:

Firm employed by Lazenby & Associates, Inc.					
Name	**Spillers, James R., P.E.**		Years of experience with this firm/employer	28	
Title	Chief Roadway Design Engineer		Years of experience with other firm(s)/employer(s)	0	
Degree(s) / Years / Specialization			B.S. / 1994 / Civil Engineering		
Active registration number / state / expiration date			P.E. 0028574 / Louisiana / 09/30/2023		
Year registered	1999	Discipline	Professional Engineer (Civil)		
Contract role(s) / brief description of responsibilities			Road Design, Hydraulic Analysis & Design		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Spillers has 28 years of experience in planning and designing highways, streets and bridges and related components on LDOTD projects. He has also served as designer and Project Engineer on several federal-aid Urban System projects for the Ouachita Parish Police Jury and City of Monroe. He is familiar with the LDOTD Minimum Design Guidelines, LDOTD Roadway Design Procedures and Details Manual, and the LDOTD Hydraulics Manual, as well as the AASHTO "Green Book", AASHTO Roadside Design Guide, and the Manual on Uniform Traffic Control Devices. Mr. Spillers has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2022 LA Specific Traffic Control Supervisor Course, 2022 One-Dimensional Modeling of River Encroachments with HEC-RAS, 2022 Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021 Bridge Backwater Computer Program (WSPRO), 1996 National Environmental Policy Act (NEPA) and Transportation Decision Making, 2008 Roundabout Design Workshop, Level 1, 2008 Roundabout Design Workshop, Level 2, 2009 Fundamentals of Planning, Design, & Approval of Interchange Improvements to the Interstate System, 2009 Highway Safety Manual Workshop, 2011 Access Management, Location and Design, 2014 Road Safety 365: A Safety Workshop for Local Governments, 2016 Mr. Spillers has in excess of 25 years of experience in preparation of roadway plans and development of roadway design projects. On this project, Mr. Spillers meets the MPR Requirement No. 3.
01/97 – 10/99	State Project No. 026-05-0017: LA 15 (Sicily Island – Jct. La 913), Catahoula Parish. Mr. Spillers performed a hydraulic study for twin slab span bridges, performed drainage design for cross drains, and assisted with the preparation of preliminary and final roadway and bridge plans for widening a 4.5-mile segment of LA 15 to four lanes as part of TIMED program.
04/99 – 07/00	State Project No. 038-04-0008: Route LA 142 (Junction US 425 – North of DeButte Creek), Morehouse Parish. Mr. Spillers performed a hydraulic study, and prepared preliminary roadway and bridge plans for reconstruction of a 3.5-mile segment of a rural two-lane roadway.
01/01 – 09/04	State Project No. 002-01-0041: DeSiard Street (Monroe)(Louisville Avenue – Gilbert Street), Ouachita Parish. Mr. Spillers performed a hydraulic study for subsurface drainage, and prepared preliminary and final roadway plans for widening a 1.2-mile segment of US 80 to five lanes.

07/05 – 01/08	State Project No. 015-08-0026: US 165 (LA 841 – Rilla), Ouachita Parish. Mr. Spillers performed a hydraulic study and prepared preliminary and final roadway plans for widening a 6.5-mile segment of US 165 to four lanes as part of TIMED program.
05/07 – 05/10	State Project No. 713-33-0110: Steve Ogden Road Bridge Over Bayou Macon, Madison Parish. Mr. Spillers performed a bridge hydraulic study and prepared preliminary and final roadway plans for a girder bridge on new alignment. This project was successfully constructed with no change orders.
12/07 – 05/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Spillers assisted with the hydraulic study of subsurface drainage systems and prepared preliminary and final roadway plans for widening a 3.2-mile segment of LA 616 to five lanes, including four multilane roundabouts. The project included design and construction of ADA-compliant sidewalks for the length of the five-lane section of the project.
02/11 – 05/17	State Project No. H.003854: Bossier North-South Corridor from Route I-220/Swan Lake Road Interchange to Crouch Road, Bossier Parish. Mr. Spillers performed hydraulic studies for two bridge sites, and prepared preliminary and final roadway plans on this project. The project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. The urban three-lane southern section included the design and construction of ADA-compliant sidewalks for the length of this segment.
03/14 – 09/16	State Project No. H.004608: Choudrant I-20 Service Road, Lincoln Parish. Mr. Spillers performed a bridge hydraulic study and also performed design of a subsurface drainage system, and prepared preliminary and final roadway plans for a 1.1-mile two-lane service road on new alignment, including a single-lane roundabout at LA 820. The project is awaiting funding for construction.
02/18 – Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Spillers prepared preliminary roadway plans and is nearly complete with final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, as well as lighting and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans for this project are currently 98% complete.
07/20 – 06/21	Guard Rail Replacement (Loop Rd., Pecanland Mall, and Plum St.), Ouachita Parish. This project consisted of the replacement of guard rail at three (3) sites in the City of Monroe. Mr. Spillers was responsible for length of need guard rail calculations and developing plans and contract documents, and served as project engineer during construction.
08/21 – 11/21	North Frontage Road – Phase 2, Ouachita Parish. Mr. Spillers was in responsible charge of the development of roadway plans for a 0.6-mile frontage road north of Interstate 20 in Monroe. The owner on this project is the I-20 Economic Development District. Mr. Spillers also served as the project engineer during construction, and was responsible for responding to contractor RFI's, processing pay estimates and change orders, and closing out the project after final inspection.
07/22 – 08/22	Roundabouts on Mane Street in West Monroe, Louisiana. Mr. Spillers created conceptual geometric layouts and project cost estimates of two proposed single lane roundabouts on Mane Street for the City of West Monroe. The City of West Monroe is pursuing Capital Outlay funding to advance the projects into the topographic survey and design phases.
08/22 – present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Mr. Spillers was responsible for preparing roadway plans and contract documents for this project, which consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project is being funded by LDOTD through a Cooperative Endeavor Agreement with the Ouachita Parish School Board, and will be constructed under a LDOTD Project Permit.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC		
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		B.S. / 1988 / Civil Engineering	
Active registration number / state / expiration date		PE.0025383 / LA 9/30/2023	
Year registered		Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 - current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** Brin is the task leader for Vectura for the **Construction Engineering and Inspection of 24 traffic signals**. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** Brin is the lead traffic engineer for entire the New Capacity Projects program management team. **All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin.** She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 – current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP (Belle Chasse, LA)** Brin is the project manager for the **temporary and permanent traffic signal plans** for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on **design year volumes** that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by Louisiana DOTD.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA)** Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also developed **signal timing plans** for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** Brin developed a Pedestrian Crosswalk Study and **Traffic Signal Construction Plans** for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included **traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses**. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA** Brin developed a formal traffic study for a proposed crosswalk with pedestrian **traffic signal equipment and pedestrian clearance timings** based on DOTD requirements. Brin assisted with **vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street**. From the design study, a set of **Traffic Signal Modification Plans** were developed to implement the recommended alternative.
04/14 – 12/14	**H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA)** As the project engineer, Brin was in responsible charge for **data collection and design for three signalized intersections** as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	**EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer on behalf of EBR for performing **CE&I services for the construction of 11 traffic signals**. She maintained records of the contractor's daily

	operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	**SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer for DOTD and EBR to perform **CE&I services for the construction of 21 traffic signals**. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	**S.P. 700-99-0477 Jefferson Hwy. Signal Design (Baton Rouge, LA)** Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included **traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout**. Design also included **traffic signal synchronization signal timing** and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	**Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA)** Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included **traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate**. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	**EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA)** Brin was the project engineer for the **design of 66 signalized intersections** on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC		
Name	Laurence Lucius Lambert, II, PE, PTOE, PTP	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010	
Active registration number / state / expiration date		PE.0029901 / LA / 3/31/2024	
Year registered		Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/21 – 02/22	**H.013267 Capital Area Pathways Project (Baton Rouge, LA)** Laurence was project manager for a traffic study to evaluate trail crossings at three state routes that required DOTD approval. The traffic study included **traffic data collection, safety analysis, existing conditions analysis and alternative analysis**. Laurence used the DOTD Traffic Engineering Manual, MUTCD, and FHWA guidance to develop the most effective trail crossing alternatives.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the **travel demand model** to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided **peer review** for the traffic studies for Ben Hur Road and Lee Drive.
04/18 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger & I-10 Gonzales (Ascension, LA)** Laurence provided a Quality Control review of the **temporary construction and sequence of construction plans**. Vectura also provided Quality Control review of **signing and striping plans** at 30% and 60% plan sets to ensure the **roundabouts** conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
04/18 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA)** Laurence provided a Quality Control review of the **temporary construction and sequence of construction plans**. Vectura also provided Quality Control review of **signing and striping plans** at 30% and 60% plan sets to ensure the **roundabouts** conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** Laurence was the **project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection)** for proposed improvements College Drive. Since the I-10 interchange was included in the study, **approval from DOTD was required**. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.
09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA** Brin developed a formal traffic study for a proposed crosswalk with pedestrian **traffic signal equipment and pedestrian clearance timings** based on DOTD requirements. Brin assisted with **vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street**. From the design study, a set of **Traffic Signal Modification Plans** were developed to implement the recommended alternative.
10/17 - 10/18	**H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA)** Laurence was the lead transportation engineer for a **Corridor Planning Study** for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to **develop growth rates and design year volumes**. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a **safety analyses** of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
09/16 - 04/17	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA)** Laurence was the lead traffic engineer for a **DOTD traffic study** for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year

	volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, **collected 7-day, 24-hour counts** w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM **traffic simulation model** of the preferred alternative.
07/14 - 01/17	**FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users (Multiple States)** FHWA funded workshops for state Departments of Transportation that were interested in learning more about innovative intersection & interchange design. Laurence presented either part or all the one-day or two-day workshops that included modules on the overall policy and goals of FHWA for these types of innovations, roundabouts, roundabout interchanges, DLTs, DDIs, J-turns / Superstreets, MUT, Thru-turns, quadrant, and the assessment tools (CAP-X) available to compare the measures of effectiveness of each innovation. Each module includes sections on design, traffic operations, safety and multi-modal accommodation Laurence has presented for the Alabama, Kentucky, Ohio, Oklahoma, Massachusetts, Tennessee, and Texas Departments of Transportation under this contract.
06/16 - 09/17	**H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA)** Laurence performed a **Stage 0 Feasibility Study** for roundabouts at ten intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Laurence, along with Brin, **collected 7-day, 24-hour counts w/ classification, turning movement counts for peak periods and speed data for mainlines**. Once the traffic data was collected, Laurence performed **traffic signal warrants analyses**, performed a Sidra unsignalized, signalized and roundabout analyses. After the analyses were completed, Laurence developed a report that captured the results.
03/10 - 11/11	**S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA)** This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the **Stage 0**, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
09/06 - 09/07	**EBR 06-CS-HC-00012 Downtown Baton Rouge Signal Project (Baton Rouge)** Laurence was the Project Manager to develop **construction plans to upgrade 29 signals** in downtown Baton Rouge as part of the EBR Green Light Plan. Laurence developed a design study that included **traffic data collection**, handicap ramp recommendations, countdown pedestrian signals and internally illuminated street name signs.
04/04 - 09/06	**Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA)** Laurence was the lead traffic engineer for a **Stage 0** traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC **TransCAD model** growth rates. Using HCS, Laurence **analyzed signalized and unsignalized intersections**, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC		
Name	Reece Rodrigue, PE, PTOE, RSP1	Years of relevant experience with this employer	3
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE. 0042074 / LA / 3/31/2024	
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/21 - current	**MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA** Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
07/21 – current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge)** Reece is part of the team responsible for **Construction Engineering and Inspection**. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/21 – 05/21	**H.013256 - I-10 ITS Scott to Lake Charles (Lafayette, Acadia, and Jefferson Davis Parishes)** Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using **DOTD's Bid Tabulation and Cost Estimating Tool**.
09/20 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)** Reece was a project engineer, who participated in the production of the temporary **signal design** associated with the **sequence of construction** for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish)** Reece was a project engineer, who assisted in the production of the temporary **signal design** associated with the **sequence of construction** for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
04/20 - current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse)** Reece is the project engineer who **designed the temporary traffic signal** for the intersection of LA 23 at Engineers Rd. The design of the temporary signals is set for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan, which were also used in planning for the permanent and temporary signal timing plans. Reece was also produced permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated STOP bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. Reece maintains correspondence with the fellow design engineering team for product consistency. In addition, Reece reviewed and approved shop drawings that were submitted by the contractor.
04/21 - current	**MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA** Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.

02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** Reece was the task leader for organizing and formatting the **data collection** of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	**Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA** Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	**H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish)** Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the **preliminary plans using CAD** software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	**Ochsner Main Campus Traffic Signals (Jefferson Parish)** Reece served as a design engineer for the **traffic signal plans** for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	**Loyola Interchange Modification Request, Kenner, LA** Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	**H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3** Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

16. Staff Experience:

Firm employed by	**Vectura Consulting Services, LLC**		
Name	Kristen Gahagan Farrington, PE, PTOE, RSP1	Years of relevant experience with this employer	2
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7

Degree(s) / Years / Specialization			B.S. / 2013 / Civil Engineering
Active registration number / state / expiration date			PE. 0042785 / LA / 3/31/2023
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities			Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/21 - current	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)** Kristen a project engineer for a **traffic design study and traffic signal design of 19 signals** along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 – 04/22	**H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study (Baton Rouge, LA)** Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting **vehicular speed and volume data** at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the *FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations* were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 – 09/21	**MOVEBR College Drive Enhancement Project (Baton Rouge, LA)** Kristen assisted with the **data collection** task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 - 2/21	**H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street (St. Landry Parish, LA)** Kristen served as project manager for a **Stage 0** study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 - 2/21	**H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road (Evangeline Parish, LA)** Kristen served as project manager for a **Stage 0** study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
04/19 – 6/21	**H.013817.1 LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes, LA)** Kristen served as project engineer responsible for a **Stage 0** study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the **Stage 0** report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.

03/19 – 11/19	**H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA)** Kristen was the task leader for the preparation of a **Stage 0** study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the **Stage 0** Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	**H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA)** Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as **unmet demand observations and calculations**. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA)** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this **Stage 0** Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA)** Kristen was the designer responsible for concept development, report writing, and impact analysis for a **Stage 0** study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	**H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment** Kristen was the project engineer responsible for assisting with the site visits, data organization, **analysis of permanent alternatives and traffic control alternatives**, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC		
Name	Bridget Scheyd Robicheaux, PE, PTOE (Part-Time)	Years of relevant experience with this employer	5
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		B.S./2007/Civil Engineering M.S./2014/Civil Engineering	
Active registration number / state / expiration date		PE. 0041272 / LA / 3/31/2023	
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 – current	**H.007160 EBR Computerized Traffic Signal, Phase VB (Baton Rouge)** Bridget has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Bridget also reviewed the traffic signal supports and documented all of her comments in a quality control tracker spreadsheet.
06/21 - 06/21	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)** Bridget assisted with the **traffic signal design of 19 signals** along three corridors: Plank Road, 22nd Street and US 190 (Florida Street).
03/21 - 07/22	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** Bridget is part of the team responsible for **Construction Engineering and Inspection**. Bridget has reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in accepting the manufactured poles.
04/20 - 07/20	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA)** Bridget assisted the project engineer who **designed the temporary traffic signal** for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing crash reports, and performing CATScan analysis.
04/19 - 01/20	**Traffic Studies for Broussard Middle School and Billeaud Elementary School (Lafayette Parish, LA)** Bridget was the project engineer for developing a Traffic Study for two school entrances in Broussard, LA. Her project tasks included traffic data collection, forecast traffic volume development, existing traffic analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths based on queues and DOTD requirements.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** Bridget assists Brin on a daily basis for the entire New Capacity Projects program management team. Bridget has performed multiple **reviews of traffic studies and traffic signal designs**. This includes reviewing raw data, unmet demand, volume maps, existing and build analyses, and safety analyses for accuracy and consistency throughout the report. She provides comments in a spreadsheet known as the Comment Tracker. All comments are posted in the Comment Tracker so that all parties are aware. Many of these projects are located on state routes and require approval by the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Bridget helped to develop design year volumes for the Jones Creek (Airline to Jefferson) MOVEBR project. She has developed Turn Lane tech memos for the MOVEBR Old Hammond Highway Segments 1A and two projects and for the MOVEBR Highland at Siegen project.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** Bridget assisted Brin with the crosswalk study by pulling and formatting the crash data. She also assisted Brin with the crash analysis and formatting the findings.
10/17 - 07/18	**Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA)** Bridget developed base year traffic volumes to calibrate and test of the regional travel demand as part of **updating the New Orleans Regional Planning Commission Travel Demand Model in TransCAD**. Specifically, Bridget obtained and reviewed the over 4,000 traffic counts (cars / trucks) that were used in the validation of the

	SELATRAM model to check for consistency, reasonableness, and completeness. She tabulated her results in a spreadsheet that was included in a technical memorandum.
09/17 - 11/17	**US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study (St. Tammany Parish, LA)** Bridget participated in the development of a Crosswalk Traffic Engineering Study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). Bridget processed raw traffic videos and developed **AM and PM peak period turning movement vehicle count** figures. She also assisted Brin with a PTV Vistro model for the AM and PM Peaks for the five intersections for capacity analyses as well as progression analyses. She also developed portions of the report.
02/17 - 10/17	**Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA)** Bridget participated in the development of a **Stage 0 Feasibility Study** for roundabouts at four intersections in St. Tammany Parish. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic **turning movement counts** for morning and evening peak periods including peak hour factor and heavy vehicle percentages. Growth rates for **design year volumes** were also developed based on information provided from the **TransCAD model**. She performed portions of the Sidra unsignalized, signalized and roundabout analyses for implementation and design years and report development.
06/16 - 09/17	**H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA)** Bridget assisted with developing a **Stage 0 Feasibility Study** for roundabouts at seven intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic **turning movement counts** diagrams for peak periods including peak hour factor and heavy vehicle percentages. She developed the speed data analyses as well as assisted with performing Sidra unsignalized, signalized and roundabout analyses for implementation and design years. Bridget also developed several figures that were included in the report.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC		
Name	Clara Williams Foshee, PE (Part-Time)	Years of relevant experience with this employer	1
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		B.S./2015/Civil Engineering	
Active registration number / state / expiration date		PE.0044568 / LA / 09/30/2024	
Year registered	2020	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/22 – current	**H.014746.1 Stage 0 LA 383 (Iowa, LA)** Clara is performing the **safety analysis** for this corridor study. She will develop Appendix C and the corresponding sections in Chapter 2 to comply with the DOTD TEPR process.
05/22 – current	**H.012370 Morrison Road Traffic Study: Mayo Boulevard to Bullard Avenue (New Orleans, LA)** Clara was the project engineer for a corridor study that evaluated reducing travel lanes to incorporate bike lanes. The study included **peak hour determination, turning movement counts with unmet demand, safety analysis, and intersection analyses using HCS 2023**. The study followed the DOTD TEPR process since the project received federal aid and will be reviewed by DOTD.
02/22 – 06/22	**MOVEBR Direct Select for Traffic Signal Design (Baton Rouge, LA)** Clara provided quality control for several components of this project. She reviewed the **traffic volume and safety** sections of several intersection design studies. She also verified the **estimated quantities for several traffic signal design plans**.
08/21- 07/22	**H.005168 NORG - Avondale PEL Study (Avondale, LA)** Clara provided quality control for Appendix C (Safety) and Chapter 2 (Existing Conditions), as well as assisted with the completion of Appendix D (Existing and No Build Analysis). The study followed the DOTD TEPR process and was reviewed by DOTD.
07/21 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** Clara has verified **turn lane length calculations, vertical tree clearances, safety analyses, pedestrian countermeasures,** and other quality control reviews to assist the City of Baton Rouge with their reviews.
10/18 – 12/18	**Traffic Engineering Process and Report Flowchart (Hammond, LA)** Lead engineer in the design and production of a flowchart depicting the assembly of the new **Traffic Engineering Process and Report Flowchart**. While working as a staff member in DOTD District 62, she took the initiative to create a document clearly showing how the new Traffic Engineering Process and Report should be assembled via flowchart. This flowchart was intended to be used internally throughout District 62 but was seen and admired by DOTD Headquarters and spread throughout the state to serve as a supplemental guide for the creation of the new Traffic Engineering Process and Report.
1/19 – 3/19	**Unserviced Demand Data Collection and Peak-Hour Determination Spreadsheets (Hammond, LA)** Clara was a traffic engineering team member in the design and production of a set of spreadsheets intended to **standardize how unserviced demand is collected and how peak-hours are determined from peak-periods**. Working closely with fellow traffic engineers at District 62, she co-created a document containing multiple spreadsheets designed to allow the input of unserviced demand data collected in the field for various intersection types and configurations. This document then outputed reliable and accurate unserviced demand data to be used in studies and reports throughout District 62. While creating this unserviced demand document, she concurrently co-created a document containing multiple spreadsheets designed to determine the most appropriate and accurate peak-hour from a given set of volumes over a peak-period. Both documents took weeks to create and were continuously reviewed and edited to ensure they were as accurate as possible.

16. Staff Experience:

Firm employed by	**Vectura Consulting Services, LLC**		
Name	Ronald St. Angelo	Years of relevant experience with this employer	<1
Title	Construction Specialist	Years of relevant experience with other employer(s)	48
Degree(s) / Years / Specialization		High School Diploma / 1975	
Active registration number / state / expiration date			
Year registered	Civil / Discipline		
Contract role(s) / brief description of responsibilities		Senior-level Construction Specialist	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
02/03 – 04/23	**Jack B Harper Electrical, LLC (Walker, LA)** Ronnie specialized in programming traffic signal controls / ITS equipment and troubleshooting construction issues in the field such as utility conflicts and traffic signal issues. He was a project manager for numerous traffic signal related projects and oversaw a team of field technicians for signal related construction projects. He was an estimator for bidding traffic signal / ITS equipment projects. Ronnie worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal / ITS projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, Ronnie worked on projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Read and interpreted construction plans to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. Assisted site inspectors with confirming mast arm foundation locations; drawing reviews; change requests; and verifying controller data collection and timing checks.
07/75 – 01/03	**East Baton Rouge Traffic Engineering Division** Ronnie was a certified IMSA Level 1 & 2 Technician while employed at the City of Baton Rouge. Ronnie performed numerous construction tasks in relation to traffic signals within East Baton Rouge Parish. Construction included traffic signal poles, signal heads, signal wiring, vehicle detection, traffic signal controller / cabinet power service. In the earlier part of his career, the traffic signal controllers consisted of mechanical parts. As time progressed, the controller evolved to steady-state technology. In addition, Ronnie performed traffic signal tasks related to maintenance after damage from collisions or extreme weather. While employed in the city, Ronnie was tasked with maintaining over 300 signals that included DOTD intersections. Ronnie started his career at the City of Baton Rouge as a Technician, then Traffic Signal Technician, then Foreman and finally a supervisor. Ronnie was also responsible for programming traffic signal controllers while at the City.

16. Staff Experience:

Firm employed by	**Vectura Consulting Services, LLC**		
Name	David Watkins	Years of relevant experience with this employer	<1
Title	Construction Specialist	Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		High School Diploma / 19788	
Active registration number / state / expiration date			
Year registered	Civil	Discipline	
Contract role(s) / brief description of responsibilities		Senior-level Construction Specialist	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/06 – 02/23	**Jack B Harper Electrical, LLC (Walker, LA)** David worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, worked projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Read and interpreted blueprints to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. Assisted site inspectors with confirming mast arm foundation locations; drawing reviews; change requests; and verifying controller data collection and timing checks.
03/01 – 10/06	**Dave's Electric (Denham Springs, LA)** David conducted electrical work on numerous residential and commercial job assignments. He was responsible for installing all wiring and electrical components as directed by site blueprints; installed all circuits and electrical items during multi-phasal construction projects (i.e rough-in; trim-out); conducted final walk-through inspection; completed punch list items as required. David was also assigned as site lead during most job assignments.
01/96 – 04/01	**Diamond Electric Company, Inc. (Baton Rouge, LA)** David performed duties as a Traffic Signal Technician Level I that included technical work in the construction, installation, maintenance, and repair of traffic signal systems. David also developed the ability to read and interpret blueprints during this time. Maintained electrical experience while working on roadways requiring traffic control. David also performed technical tasks to maintain and install all traffic signals, signal systems, signs, and associated traffic equipment. He delivered and set-up barricades for work zones, detours, and other areas in need of barricades; assisted with traffic control as needed. David performed related technical tasks; worked with contractors on the installation and relocation of traffic signals and components.

16. Staff Experience:

Firm employed by Wetlands Unlimited LLC					
Name	Matt Mixon			Years of relevant experience with this employer	6.5
Title	COO			Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BS/2001/Biology		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Biologist/Wetlands, Environmental Pro, Environmental Manager		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/16-05/23	• Phase I environmental site assessments for potential real estate transactions involving oil and gas assets, real estate development tracts, and industrial manufacturing and warehousing facilities. • Wetland delineations for a wide variety of projects including commercial, industrial, transportation, and infrastructure. • Permitted minor and complex developments in wetland areas including Clean Water Act Section 404 individual, regional general, and nationwide permitting. • NEPA Environmental Assessments (EAs) as a function of funding procurement for a variety of regulatory agencies including, FEMA, DWRLF, and HUD. • Construction stormwater permits and construction stormwater pollution prevention plans for highway projects and industrial facilities. • SPCC plan generation and senior review. • Wetland mitigation plans for the loss of wetlands in commercial and residential developments. • Needs and alternative analysis plans in support of Section 404 permitting for commercial and residential development. • Wetland and stream mitigation bank management, including mitigation bank construction oversight, construction completion certifications, annual field monitoring activities, annual MBI report development, and Interagency Review Team meeting coordination and representation. • Ecological restoration planning for wetland mitigation banks and proposed commercial/residential developments. Restoration activities primarily focused on ecological uplift with an emphasis on historical conditions in the project vicinity and also higher functioning ecological systems currently present in the area. • Sara 311, 312, and 313 reporting. • Designed, prepared, and implemented adaptive management plans for multiple wetland mitigation banks struggling to meet Mitigation Banking Instrument (MBI) requirements and benchmarks.
08/04-08/16	• SPCC plan generation, senior review, and auditing support. • Phase I and Phase II environmental site assessments preparation. • Development of a comprehensive waste management and minimization program and a water compliance program for Texas and Louisiana operations for a mid-major natural gas E&P company. • Individual and general water permit applications and operational and construction SWPPPs. • Annual air emissions inventories, air emissions tracking media development, annual solid and hazardous waste reporting. • Sara 311, Sara 312, and 313 reporting. • Comprehensive environmental compliance audits for a variety of industries across. • Lead training for facility-level environmental training.

16. Staff Experience:

Firm employed by Wetlands Unlimited LLC			
Name	Jeffrey McBride	Years of relevant experience with this employer	6.5
Title	CEO	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		BS/1999/Environmental Science	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Biologist/Wetlands, Environmental Pro, Environmental Manager	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/16-05/23	• Phase I environmental site assessments for potential real estate transactions involving oil and gas assets, real estate development tracts, and industrial manufacturing and warehousing facilities. • Wetland delineations for a wide variety of projects including commercial, industrial, transportation, and infrastructure. • Permitted minor and complex developments in wetland areas including Clean Water Act Section 404 individual, regional general, and nationwide permitting. • NEPA Environmental Assessments (EAs) as a function of funding procurement for a variety of regulatory agencies including, FEMA, DWRLF, and HUD. • Construction stormwater permits and construction stormwater pollution prevention plans for highway projects and industrial facilities. • SPCC plan generation and senior review. • Wetland mitigation plans for the loss of wetlands in commercial and residential developments. • Needs and alternative analysis plans in support of Section 404 permitting for commercial and residential development. • Wetland and stream mitigation bank management, including mitigation bank construction oversight, construction completion certifications, annual field monitoring activities, annual MBI report development, and Interagency Review Team meeting coordination and representation. • Ecological restoration planning for wetland mitigation banks and proposed commercial/residential developments. Restoration activities primarily focused on ecological uplift with an emphasis on historical conditions in the project vicinity and also higher functioning ecological systems currently present in the area. • Sara 311, 312, and 313 reporting. • Designed, prepared, and implemented adaptive management plans for multiple wetland mitigation banks struggling to meet Mitigation Banking Instrument (MBI) requirements and benchmarks
08/99-08/16	• SPCC plan generation, senior review, and auditing support. • Phase I and Phase II environmental site assessments preparation. • Development of a comprehensive waste management and minimization program and a water compliance program for Texas and Louisiana operations for a mid-major natural gas E&P company. • Individual and general water permit applications and operational and construction SWPPPs. • Annual air emissions inventories, air emissions tracking media development, annual solid and hazardous waste reporting. • Sara 311, Sara 312, and 313 reporting. • Comprehensive environmental compliance audits for a variety of industries across. • Lead training for facility-level environmental training.

16. Staff Experience:

Firm employed by Wetlands Unlimited LLC			
Name	Ty Strozier	Years of relevant experience with this employer	6.5
Title	Environmental Scientist	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS/2013/GIS MS/2015/Biology	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Biologist/Wetlands, Environmental Pro, Environmental Manager	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/16-05/23	• GIS mapping for a wide variety of project types including wetlands delineation/permitting, mitigation banking, stormwater pollution prevention plans, SPCC plans, water permit applications, NEPA EAs, and Phase I environmental site assessments. • Conducted Phase I environmental site assessments for potential real estate transactions involving oil and gas assets, real estate development tracts, and industrial manufacturing and warehousing facilities. • Sara 311, Sara 312, and 313 reporting. • Completed wetland delineations for a wide variety of projects including commercial, industrial, transportation, and infrastructure. • Permitted minor and complex developments in wetland areas including Clean Water Act Section 404 individual, regional general, and nationwide permitting. • Completed NEPA Environmental Assessments (EAs) as a function of funding procurement for a variety of regulatory agencies including, FEMA, DWRLF, and HUD. • Wetland and stream mitigation bank management, including annual field monitoring activities, annual MBI report development, and Interagency Review Team meeting representation. • Water monitoring activities including sampling and reporting per NPDES permit requirements. • Performed threatened and endangered species survey activities.
05/13-08/16	• GIS mapping for a wide variety of project types including stormwater pollution prevention plans, SPCC plans, water permit applications, NEPA EAs, and Phase I environmental site assessments. • Conducted Phase I environmental site assessments for potential real estate transactions involving oil and gas assets, real estate development tracts, and industrial manufacturing and warehousing facilities. • Assisted in the development of an air emission source mapping project for a major global food and beverages company. The project footprint included 43 sites located in the U.S. and Canada. • Conducted monthly site environmental compliance inspections for various manufacturing facilities. • Sara 311 and Sara 312 reporting, and Sara 313 reporting.

16. Staff Experience:

Firm employed by Wetlands Unlimited LLC					
Name	Bob Elliott			Years of relevant experience with this employer	0.5
Title	Senior Environmental Scientist			Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			BS/2008/Biology MS/2015/Biology		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Biologist/Wetlands, Environmental Pro, Environmental Manager		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/22-05/23	• Environmental compliance program management for industrial sites in north Louisiana • Wastewater & Storm Water Permitting for various industrial sectors in Louisiana • Development of Storm Water Pollution Prevention Plans (SWPPP) for timber products facilities, concrete manufacturing facilities, construction sites, and other various sectors. • Solid, universal, and hazardous waste compliance program management. • EPCRA 311 & 312 (Tier II) reporting for various industrial facilities in Louisiana. • Conducted Phase I ESAs for industrial manufacturing and warehousing facilities. • Contributed to the development of wetland mitigation plans for the loss of wetlands in commercial and residential developments. • Conducted wetland permitting strategic planning for levee stabilizations. • Assisted in the development of needs and alternative analysis plans in support of Section 404 permitting commercial and residential developments. • Assisted in the preparation of NEPA EAs for the Federal Emergency Management Agency (FEMA), U.S. Department of Housing and Urban Development (HUD), and the Louisiana Department of Health (LDH). Tasks included GIS mapping, site data collection, Needs and Analysis determination, and discussion of project-specific details for the required NEPA assessment categories.
08/08-09/22	• Served as site EHS Manager and developed and maintained facility EHS goals. • Communicated to executive and corporate leadership on the facility compliance performance and planning. • Compiled and communicated data used in the evaluation and processing of facility performance. • Monitored environmental & safety compliance programming as required by OSHA, EPA, and LDEQ. • Implemented and managed all environmental permit requirements pertaining to air, solid waste, hazardous waste, and water at the site. • Managed and budgeted site maintenance and capital projects. • Performed required Annual Environmental, Health, and Safety Training as required by Federal, State, and local laws to 300+ employees. • Oversee all Loss Prevention Programs: fire sprinklers, fire alarm systems, and security access programs. • Initiated and managed all environmental and safety capital projects. • Coordinated and performed wastewater and stormwater sampling per site permit requirements. • Executed and managed Storm Water Pollution Prevention Plan (SWPPP) requirements, which included inspections and recordkeeping as required by storm water permit. • Implemented and managed Spill Prevention, Control, and Countermeasure (SPCC) Plan requirements, which included inspections, recordkeeping, and updating the plan to meet regulatory requirements. • Preparation of monthly and annual Discharge Monitoring Reports (DMRs) for storm water and wastewater discharges. • Managed solid waste and hazardous waste activities along with updating waste streams and profiles. • Supervised hazardous waste accumulation to ensure the site maintained Small Quantity Generator (SQG) status. • Completed annual industrial hazardous waste and solid waste reporting. • Managed EPCRA 311/312 (Tier II) reporting.

16. Staff Experience:

Firm employed by Wetlands Unlimited LLC			
Name	Leyton Lamb	Years of relevant experience with this employer	2
Title	Senior Environmental Technician	Years of relevant experience with other employer(s)	2

Degree(s) / Years / Specialization			BS/2020/Environmental Science
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities			Biologist/Wetlands, Environmental Pro, Environmental Manager

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20-05/23	• Contributed to the development of Storm Water Pollution Prevention Plans (SWPPPs) for timber products facilities. • Collected monthly water monitoring samples for pulp and paper facilities in Louisiana and Arkansas. • Contributed to the design and implementation of multi-year pond elevation studies that included the collection, analysis, and interpretation of complex data associated with subsurface elevation variances. • Assisted in completion of wetland delineations for a wide variety of projects including commercial, industrial, transportation, and infrastructure. • Assisted with Phase I ESAs across Louisiana and Arkansas. • Prepared permitting packages for development and infrastructure projects with wetland impacts utilizing Clean Water Act Section 404 Standard and Nationwide permitting mechanisms. • Assisted in the management and development of wetland and stream mitigation banks, which included mitigation bank construction, annual wetland and stream bank monitoring/reporting, and Geospatial data collection, analysis, and presentation. • Completed hydric soils evaluations for potential wetland mitigation banking and residential developments. • Performed desktop wetland evaluations for potential development sites. • Assisted in environmental stabilization and closure support for an industrial sink manufacturing facility.

16. Staff Experience:

Firm employed by Wetlands Unlimited LLC					
Name	Madison Britton			Years of relevant experience with this employer	0.5
Title	Environmental Intern			Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			BS/2019/Applied Biology		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Biologist/Wetlands, Environmental Pro, Environmental Manager		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/22-05/23	• Served as a member of a pre-audit team for a pulp and paper manufacturing facility in north Louisiana. • Assisted in completion of wetland delineations. • Assisted in the preparation of NEPA Categorical Exclusion documentation for an EPA-funded municipal utility line project.				


Section
17
LAZENBY
& ASSOCIATES, INC.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road, Survey	
Project name	Arkansas Road (West Monroe) LA 616		Firm responsibility (prime or sub?)	Prime	
Project number	S.P.N. H.002622	Owner's name	Louisiana Department of Transportation and Development		
Project location	Ouachita Parish		Owner's Project Manager	Fred Borne, P.E. (Retired)	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245 Telephone (225)379-1388 e-mail: Fred.Borne@la.gov				
Services commenced by this firm (mm/yy)	12/07	Total consultant contract cost ($1,000's)	$1,611		
Services completed by this firm (mm/yy)	06/15	Cost of consultant services provided by this firm ($1,000's)	$1,512		

Lazenby & Associates, Inc. was the prime consultant on this project, which involved the widening of a 3.2-mile segment of Arkansas Road (LA 616) from a two-lane arterial to a five-lane arterial with subsurface drainage. During final plan preparation, four (4) multi-lane roundabouts were added to the project, each replacing a signalized intersection, in an effort to improve safety through the corridor. The addition of ADA-compliant pedestrian facilities further improved safety on this project.

Lazenby & Associates, Inc., performed topographic surveys and property surveys, and prepared preliminary plans, final plans, and right-of-way maps. Major design components performed by Lazenby & Associates included road design, hydraulic analysis and design, geometric design, signing and striping plans, and sequence of construction. Construction support services were provided to LDOTD as needed during construction of the project.

One challenge encountered included developing a logical sequence of construction while maintaining through traffic. Another challenge on this project was the geometric design of the roundabouts and the development of the finished roadway grades due to the grades of the approach roadways. The close proximity of a church and cemetery to two (2) of the roundabouts, which limited available right-of-way, presented a further challenge.

Lazenby & Associates also assisted LDOTD in the environmental clearance process, preparing exhibits for and assisting with the public meetings and preparing permit drawings.

Key personnel involved in the project include the following:

- Jerry G. Lazenby, P.E., P.L.S.
- Paul D. Fryer, P.E., P.L.S.
- Ronald J. Riggin, P.E., P.L.S.
- James S. Ellingburg, P.E.
- Randy C. Hammons, P.E.
- James R. Spillers, P.E.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.			Past Performance Evaluation Discipline(s)*	Road, Survey
Project name	Kansas Lane – Garrett Road Connector and I-20 Improvements			Firm responsibility (prime or sub?)	Prime
Project number	S.P.N. H.007300	Owner's name	Louisiana Department of Transportation and Development		
Project location	Ouachita Parish		Owner's Project Manager	Catherine Mastin, P.E.	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245 Telephone (225)379-1652 e-mail: Catherine.Mastin@la.gov				
Services commenced by this firm (mm/yy)	09/17	Total consultant contract cost ($1,000's)	$2,997.4		
Services completed by this firm (mm/yy)	current	Cost of consultant services provided by this firm ($1,000's)	$1,436.3		

Lazenby & Associates, Inc. is the prime consultant on this project, which involves widening Garrett Road to four lanes in the vicinity of the I-20/Garrett Road interchange, and constructing a roadway and bridge over LA 594 and the KCS Railway to connect Garrett Road to Kansas Lane in Monroe. The project also includes a new Garrett Road overpass over I-20, five (5) multi-lane roundabouts, geometric modifications to the existing interstate ramps, subsurface drainage, lighting, an MSE wall, and a traffic signal.

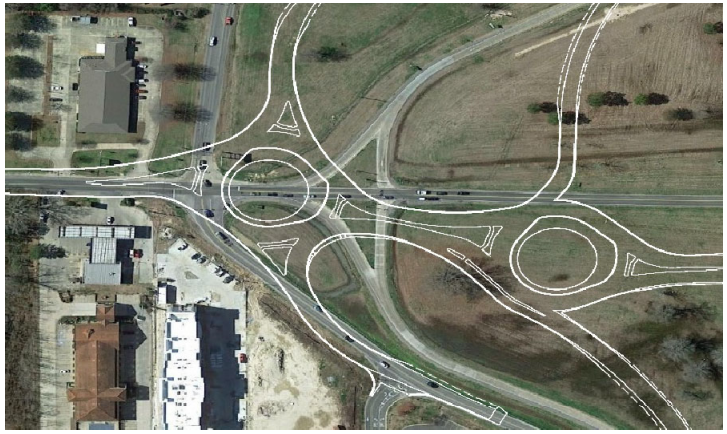
Lazenby & Associates, Inc., performed topographic surveying services on this project, significantly extending the limits of the initial LDOTD topographic survey; prepared preliminary roadway plans; and are currently 98% complete with the development of final roadway plans. As the prime consultant, Lazenby & Associates, Inc., is also coordinating geotechnical engineering services, the development of bridge plans, the development of lighting plans, and the development of signalization plans and traffic management plans (Level 4 TMP) by other firms retained as sub-consultants. Major design components being performed by Lazenby & Associates, Inc., include road design, hydraulic analysis and design, geometric design, signing and striping plans, and sequence of construction.

One major challenge is to construct the project while maintaining traffic as much as possible. With this in mind, geometric design of the project, and specifically geometric design of the five (5) multi-lane roundabouts and development of proposed finished roadway grades, presented significant challenges. This has also resulted in a complicated suggested sequence of construction that consists of nine (9) phases.

Lazenby & Associates also assisted in the environmental clearance process, preparing exhibits for and assisting with the public meetings and preparing permit drawings, and developed technical special provisions for certain pay items.

Key personnel involved in the project include the following:

- Jerry G. Lazenby, P.E., P.L.S.
- Paul D. Fryer, P.E., P.L.S.
- Ronald J. Riggin, P.E., P.L.S.
- James R. Spillers, P.E.
- James S. Ellingburg, P.E.
- Randy C. Hammons, P.E.
- Hagan Lawrence, P.E.
- Noah Sampognaro, E.I.



17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road	
Project name	Lee Avenue: Jackson St – Standifer Ave		Firm responsibility (prime or sub?)	Prime	
Project number	H.014348	Owner's name	City of Monroe, Louisiana		
Project location	Ouachita Parish		Owner's Project Manager	Arthur Holland	
Owner's address, phone, email	400 Lea Joyner Expressway, Monroe, LA 71201 Telephone (318)329-2200 e-mail: arthur.holland@ci.monroe.la.us				
Services commenced by this firm (mm/yy)	01/20	Total consultant contract cost ($1,000's)	$228		
Services completed by this firm (mm/yy)	current	Cost of consultant services provided by this firm ($1,000's)	$228		

Lazenby & Associates, Inc. was the prime consultant on this City of Monroe project, construction of which is being funded by the LDOTD Urban Systems program. This project consists a mill, patch, and overlay of Lee Avenue in the City of Monroe, and includes drainage improvements to the existing storm drain system. The project also includes construction of new sidewalks and reconstruction of existing sidewalks along a heavily traveled pedestrian route in south Monroe.

Lazenby & Associates, Inc., performed necessary topographic surveys and prepared construction plans and contract documents. Lazenby & Associates, Inc., is currently providing construction support services to the City of Monroe during construction of the project.

Key personnel involved in the project include the following:

- Hagan H. Lawrence, P.E.
- James S. Ellingburg, P.E.
- Nathan D. Hill, P.E.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road	
Project name	US 165 Turn Lanes at Scott Drive		Firm responsibility (prime or sub?)	Prime	
Project number	22E086.00 (L&A Project No.)	Owner's name	Ouachita Parish School Board		
Project location	Ouachita Parish		Owner's Project Manager	Steven Hemphill	
Owner's address, phone, email	1600 North 7th Street, West Monroe, LA 71291 Telephone (318)432-5000 e-mail: stevenhemphill@opsb.net				
Services commenced by this firm (mm/yy)	08/22	Total consultant contract cost ($1,000's)	$188		
Services completed by this firm (mm/yy)	current	Cost of consultant services provided by this firm ($1,000's)	$75		

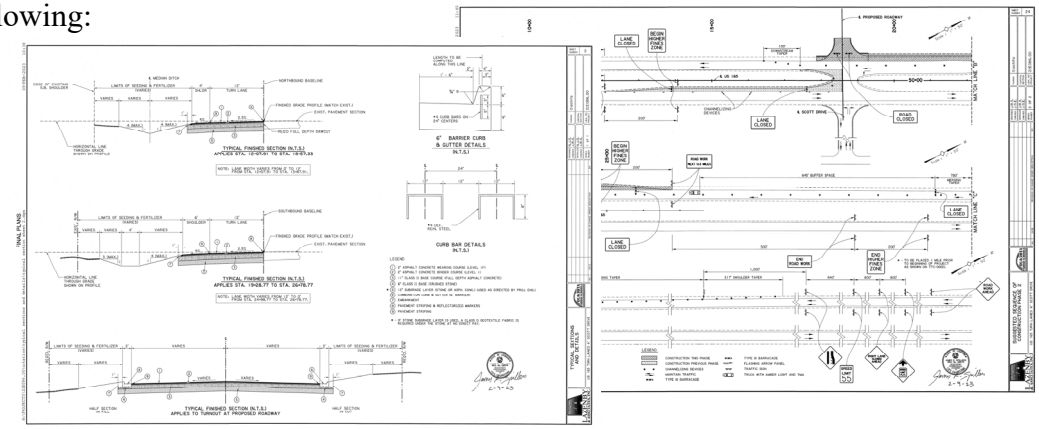
Lazenby & Associates, Inc. was the prime consultant hired by the Ouachita Parish School Board for a project on US 165 in Sterlington, Louisiana to add left and right turn lanes and modify an existing traffic signal at the intersection of US 165 and Scott Drive. The project is necessary to mitigate additional traffic demand in the area due to the construction of a new middle school, and will prevent motorists trying to access the new middle school from queuing in the travel lanes of US 165. The project is being funded by the Ouachita Parish School Board and will be constructed under a LDOTD Project Permit.

Using guidance from the *AASHTO A Policy of Geometric Design of Highways and Streets* and the LDOTD *Roadway Design Procedures and Details* Manual, in addition to LDOTD Standard Plans and Special Details, construction plans and contract documents were prepared. The project is currently advertised for bids, and construction is expected to begin in late spring, 2023.

Lazenby & Associates, Inc., performed necessary topographic surveys and prepared roadway plans and contract documents. Traffic signalization plans were prepared by a sub-consultant. Lazenby & Associates, along with two (2) sub-consultants, will provide construction support on the project.

Key personnel involved in the project include the following:

- Paul D. Fryer, P.E., P.L.S.
- James R. Spillers, P.E.
- Noah Sampognaro, E.I.



17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road	
Project name	City of West Monroe Street Striping – Phase 1		Firm responsibility (prime or sub?)	Prime	
Project number	18E045.00 (L&A Project No.)	Owner's name	City of West Monroe, Louisiana		
Project location	City of West Monroe, Ouachita Parish		Owner's Project Manager	Ronnie Turner	
Owner's address, phone, email	2305 North 7th Street, West Monroe, LA 71291 Telephone (318) 396-2600 e-mail: smitchell@westmonroe.la.gov				
Services commenced by this firm (mm/yy)	08/18	Total consultant contract cost ($1,000's)		$36	
Services completed by this firm (mm/yy)	11/19	Cost of consultant services provided by this firm ($1,000's)		$36	

Lazenby & Associates, Inc. was the prime consultant on this City of West Monroe safety striping project, which involved restriping city street segments within the city limits of West Monroe, Louisiana. One of the existing street segments, Ridge Avenue, was evaluated; and it was determined that the ADT, existing pavement width, and proximity to other pedestrian facilities made this roadway a good candidate for a road diet, in which the existing four-lane roadway was converted to a two-lane roadway with bike lanes. The conversion was a unique, inexpensive alternative to effectively balance the access, mobility, health, and safety needs of all users of this city street.

Using guidance from the *Manual on Uniform Traffic Control Devices, 9th Edition (MUTCD)*, LDOTD Standard Plans, and LDOTD Special Details, construction plans and contract documents were prepared for the removal of the existing pavement markings and the installation of new pavement markings & signage, including new bike lanes as applicable. Lazenby & Associates, Inc. also coordinated with LDOTD District 05 during construction of the project for traffic signal improvements at the Ridge Avenue intersection with LA Highway 143 (North 7th Street). Coordination was required for scheduling, notifications, and performance of each roadway segment in order to successfully complete each segment in a logical order, allowing motorists and pedestrians continued safe use of each roadway with minimal interruptions.

Lazenby & Associates, Inc., performed necessary topographic surveys and prepared construction plans and contract documents. Construction support services & inspections were provided to the City of West Monroe during construction of the project.

Key personnel involved in the project include the following:

- Joshua D. Hays, P.E., M.S.C.E.
- Nathan D. Hill, P.E.
- James S. Ellingburg. P.E.

17. Firm Experience:

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Category(ies)*	Traffic	
Project name	I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study		Firm responsibility (prime or sub?)	sub	
Project number	H.004957.5	Owner's name	DOTD		
Project location	Lacombe, LA		Owner's Project Manager	Joachim C Umeozulu, P.E	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1386, Joachim.Umeozulu@la.gov				
Services commenced by this firm	09/16	Total consultant contract cost ($1,000's)		$1,895	
Services completed by this firm	05/17	Cost of consultant services provided by this firm ($1,000's)		$84	

As part of the DOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. The study included analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized and roundabout intersections.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- 7-day (mainlines) and 2-day (side streets) 24-hour tube counts with vehicle classification
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic Signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes

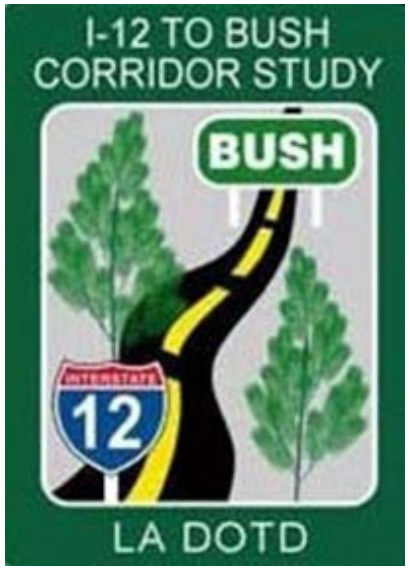
Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for Implementation and Design Years.
- Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- Developed Vissim model of the preferred corridor layout
- Developed Draft Traffic Study Report (3 copies)

Task 3 Safety Analyses

- Developed 3-year crash analyses report as per DOTD standards



Personnel Utilized on this project: Brin Ferlito, Bridget Robicheaux, and Laurence Lambert (100% performed in Louisiana)

17. Firm Experience:

Firm name	Vectura Consulting Services, LLC	Past Performance Evaluation Category(ies)*	Traffic
Project name	East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program	Firm responsibility (prime or sub?)	sub
Project number	CP No. 19-CS-HC-0001	Owner's name	East Baton Rouge Parish
Project location	Baton Rouge, LA	Owner's Project Manager	Tom Stephens, PE
Owner's address, phone, email	1100 Laurel Street Baton Rouge, LA 70802, (225) 389-3186 ext 5634, TStephens@brla.gov		
Services commenced by this firm	07/19	Total consultant contract cost ($1,000's)	unknown
Services completed by this firm	12/22	Cost of consultant services provided by this firm ($1,000's)	$873

As part of the East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program, Vectura currently provides traffic engineering services for all Capacity Projects. Vectura routinely collaborated with EBR Parish and DOTD Stakeholder such as Section 27, Safety Section, and DOTD District 61. The primary task was to peer review all traffic-related deliverables from consultants for 25 capacity projects to date. Submittal review in various stages included but not limited to the following:

Scope
- Purpose and need, contract scopes, manhours and fees

Data Collection
- Raw tube counts, peak period determination, signalized / unsignalized intersection turning movement counts, unmet demand, explanation for any count discrepancies, speed data, peak period observations, geometric field documentation, sight distance, warrants analyses

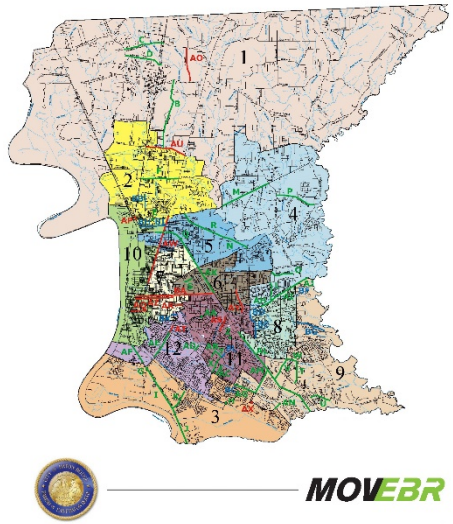
Design Year Volume Development
- Travel Demand Model data, Growth rate methodologies in accordance with NCHRP 765, design year volume development

Existing and No Build Analyses
- HCS, Synchro, SIDRA, VISSIM, analyses for existing and No Build conditions based on traffic volumes, lane usage, truck percent, required SIDRA roundabout settings, speed, and Traffic Signal Inventory form information
- CATScan, collision diagrams, conflict points, crash analyses report as per DOTD standards
- Defined problems

Tier 1
- Preliminary high-level list of alternatives based on defined problems and established comparison criteria.

Build Year Alternative Analyses
- Reviewed traffic volume redistribution, alternative conceptual layouts included access management, restricted median openings, signalized /unsignalized intersections, median U-turns at existing signal locations, RCUT intersections, and roundabouts
- Turn lane calculations, AutoTURN, construction cost estimates

Design
- Confirmed design plans matched recommendations in the Traffic and Design Studies
- Reviewed construction plans including geometric layout, striping, signs, roundabout and traffic signal design
- Plan in Hand, coordinated with EBR TED, DOTD, utilities, consultant team



Personnel Utilized on this project: Brin Ferlito, Laurence Lambert, Bridget Robicheaux, Reece Rodrigue, Kristen Farrington and Clara Foshee (100% performed in Louisiana)

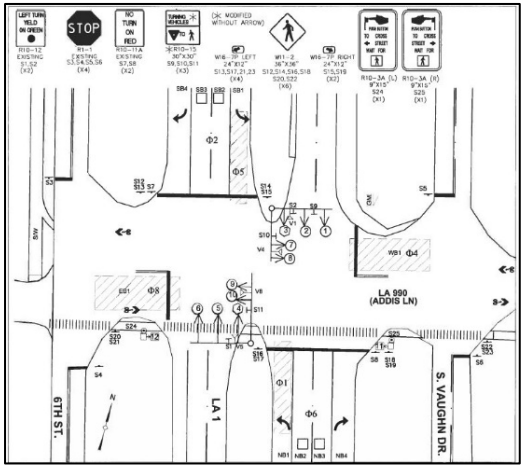
17. Firm Experience:

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Category(ies)*	Traffic	
Project name	LA 1 at LA 990 Crosswalk Study and Traffic Signal Design		Firm responsibility (prime or sub?)	Prime	
Project number	H.011558	Owner's name	West Baton Rouge Parish Government		
Project location	Addis, LA		Owner's Project Manager	Kevin Durbin, PE, AICP	
Owner's address, phone, email	880 N. Alexander Avenue Port Allen, LA 70767 (225) 336-2434 Kevin.Durbin@wbrcouncil.org				
Services commenced by this firm	11/20	Total consultant contract cost ($1,000's)	$22.000		
Services completed by this firm	12/21	Cost of consultant services provided by this firm ($1,000's)	$22.000		

Vectura was hired by West Baton Rouge Parish to perform a Crosswalk Traffic Engineering study and to develop Traffic Signal Design plans for the intersection of LA 1 and LA 990 (Addis Lane) in Addis, LA. The crosswalk was first conceptualized as part of a trail that connects the Mississippi River Trail to points west of LA 1 in the West Baton Rouge Parish Comprehensive Plan (PlanWEST) dated 9/22/11 as well as included in a Stage 0 report titled CMAQ Proposal WBR-2 dated 04/30/14.

A Crosswalk Traffic Engineering Study was performed based on the Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 5 and included the following elements:

- Collected 24-hour traffic approach volumes, speed data, crash history and sight distance
- Collected AM and PM peak hour vehicle and pedestrian turning movement counts
- Developed **safety analyses** using 3-year crash data from Crash1 as per DOTD standards
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed AM and PM Peak **signal timing and progression** for existing conditions
- Performed AM and PM Peak **signal timing and progression** for future conditions



Traffic Signal Construction Plans was performed for LA 1 at LA 990 based on the latest DOTD Traffic Signal Inventory v3.2, DOTD Signal Design Manual, MUTCD & EDSM VI.3.1.6 Section 5. This task included signal timing parameter calculations, signal equipment layout, wiring diagram, DOTD pay items, estimated quantities and construction cost.

Vectura also assisted with the DOTD **Permit** Request for Intersection Control Devices on a State Right of Way

Personnel Utilized on this project: Brin Ferlito, Reece Rodrigue, Laurence Lambert and Bridget Robicheaux (100% performed in Louisiana)

17. Firm Experience:

Firm name	Wetlands Unlimited, LLC		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	Lincoln Parish Bridge Replacements		Firm responsibility (prime or sub?)	Sub	
Project number	2019.011, 2020.005, 2020.006 2021.021	Owner's name	Lincoln Parish		
Project location	Various – Lincoln Parish, Louisiana		Owner's Project Manager	Doug Postel	
Owner's address, phone, email	100 W. Texas Avenue, Ruston, LA 71270, (318) 513-6200, dpostelr@lincolnparish.org				
Services commenced by this firm (mm/yy)	09/19	Total consultant contract cost ($1,000's)		$26	
Services completed by this firm (mm/yy)	12/21	Cost of consultant services provided by this firm ($1,000's)		$26	

Jeffrey McBride, Matt Mixon, Ty Strozier, and Leyton Lamb completed wetland delineations, United States Army Corps of Engineers (USACE) wetland activity permit determinations, USACE Section 404 permitting packages preparations, and compensatory mitigation credit procurement for a series of parish road bridge replacements in Lincoln Parish, Louisiana.

17. Firm Experience:

Firm name	Wetlands Unlimited, LLC		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	Multi-Use Walking Trail Construction, Winnsboro, LA		Firm responsibility (prime or sub?)	Sub	
Project number	2022.023	Owner's name	City of Winnsboro, LA.		
Project location	Winnsboro, Louisiana		Owner's Project Manager	Jack Hammons	
Owner's address, phone, email	3814 Front Street, Winnsboro, LA 71295, (318) 448-0888, mayorhammons@bellsouth.net				
Services commenced by this firm (mm/yy)	10/22	Total consultant contract cost ($1,000's)		$4.4	
Services completed by this firm (mm/yy)	12/22	Cost of consultant services provided by this firm ($1,000's)		$4.4	

Jeffrey McBride, Matt Mixon, Ty Strozier, and Leyton Lamb provided Section 404 permitting support on behalf of the municipality for the construction of a recreational trail crossing a stream. Scope of work included wetland delineation for the linear project area, procurement of a JD, USACE Section 404 permitting package preparation, and agency liaison services with USACE - Vicksburg District Regulatory Division personnel.

17. Firm Experience:

Firm name	Wetlands Unlimited, LLC		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	Kansas Lane Extension Construction Stormwater Permitting		Firm responsibility (prime or sub?)	Sub	
Project number	2022.038	Owner's name	Ouachita Parish		
Project location	Monroe, Louisiana		Owner's Project Manager	Shane Smiley	
Owner's address, phone, email	100 Bry Street, Monroe, LA 71201, (318) 327-1340, ssmiley@oppj.org				
Services commenced by this firm (mm/yy)	11/22	Total consultant contract cost ($1,000's)		$12.5	
Services completed by this firm (mm/yy)	12/22	Cost of consultant services provided by this firm ($1,000's)		$12.5	

Jeffrey McBride, Matt Mixon, Ty Strozier, Leyton Lamb, and Bob Elliott provided construction stormwater support for a new road construction project in Monroe, Louisiana. Scope of work included preparation of a SWPPP for construction activities, preparation/submittal of the Notice of Intent (NOI) for coverage under the LDEQ Stormwater General Permit Associated with Construction Activity Greater than 5 Acres (LAR100000), BMP plan design, and routine inspections.


Section
18
LAZENBY
& ASSOCIATES, INC.

18. Approach and Methodology:

1.0 – Introduction and Understanding of Contract Scope:

Lazenby & Associates, Inc., has assembled an outstanding team of diverse professionals that are well suited to provide superior professional services to LADOTD on this Indefinite Delivery/Indefinite Quantity (IDIQ) contract. Lazenby & Associates, Inc., has a long history of successfully teaming with LADOTD and local government agencies for transporation design and surveying projects.

We are excited to team with **Vectura Consulting Services, LLC**, an LADOTD DBE-certified firm, who will be providing all necessary traffic engineering services. **Wetlands Unlimited, LLC**, is also a team member for this contract, and will be providing environmental/permitting services.

While it is unknown specifically what TO's will be issued under this contract, we anticipate that the TO's will be projects which improve the safety of motorists, pedestrians, and/or bicyclists by implementing countermeasures to address site-specific issues. Projects could include intersection improvements, such as roundabouts or traffic signals; corridor improvements, such as striping projects, signing projects, installation of rumble strips, or slope improvements; or other types of projects such as pedestrian enhancements, sidewalks, or bike paths. **We have assembled a well-qualified team that is prepared to provide exceptional professional services for a wide variety of project types and magnitudes**.

We further recognize that we will be working with local government agencies on many of these projects. **Lazenby & Associates, Inc., has a long history of working with local governments**, such as the Ouachita Parish Police Jury, the City of Monroe, the City of West Monroe, and the City of Ruston, on similar projects.

We understand that the services to be provided under this IDIQ contract will generally consist of the following, as applicable to each individual TO.

- Feasibility Reports
- Traffic Studies
- Preparation of Permit Sketches and Permit Applications
- Topographic Surveys
- Property Surveys
- Preparation of R/W Maps, including Title Take-Offs
- Preliminary and Final Design and Plan Development
- Construction Support/Shop Drawing Reviews

2.0 - Project Approach:

While LADOTD will obviously be our client for this project, **our relationship in working with the Department has been, and will continue to be, a partnership**, where we work alongside LADOTD for a common goal. To accomplish this, we will take the following approach:

- **Communication** - Effective communication is a critical component of a successful project. We will begin a line of communication with the LADOTD Project Manager (PM) upon notification of a TO and will continue that line of communication throughout the life of the project.
    - Upon notification of a new TO, we will communicate with the PM to gain a full understanding of the project scope, which will allow us to more accurately develop man-hour estimates and project schedules.
    - We will communicate with local stakeholders, including LADOTD District Headquarters personnel and local government agency personnel, to get input early in project development. We have found through past experience that this is an effective way to reduce the number of review comments and plan revisions, which will ultimately allow us to more efficiently complete the project.
    - **Our communication efforts will include documentation of every review comment, with a written response showing how that comment was addressed**. The comment responses will be included with each plan submittal, as applicable.
- **Budget** – Staying on budget is a critical aspect of any construction project. While we have no control over unit prices, and recognize the highly volatile nature of construction costs, we will make every effort to provide the most economical solution that meets the goals of the project and satisfies the project constraints.
    - We recognize that simply staying on or ahead of schedule, allowing the project to be bid on time or early, is critical to keeping a project within budget.
    - We are committed to providing a quality product, which will reduce change orders and project overruns.
- **Time** - As noted above, we further recognize that staying on schedule is integral to staying on budget. We are committed to providing the resources necessary to ensure that projects are delivered on time or ahead of schedule.

- **Quality** – Each of the Lazenby Team members has a history of providing superior professional services to LADOTD.
    - **A Quality Assurance/Quality Control program will be prepared and adhered to as a means of ensuring that the highest standards of quality continue to be consistently met**. The QA/QC plan will be submitted to LADOTD within 10 days of the award notification.
- **Design within Project or Site Constraints** - The Lazenby Team recognizes that no two projects are the same. Site characteristics or constraints should be identified and considered early in the design process to avoid potential pitfalls and to aid in efficiently developing the plans.
    - To this end, we intend to make site visits early in the plan development process to help identify any unique site characteristics.
- **Balancing Construction Costs and Impacts to the Travelling Public –** One of the most important aspects on any project on or adjacent to roadways is maintenance of traffic during construction. Obviously, the cheapest way to construct a project is via road closure, and this is sometimes feasible. However, usually this is not the case, and traffic must be maintained throughout the project limits. **The Lazenby team will carefully evaluate each project to determine the most efficient method of construction while keeping in mind the needs of the travelling public**, and is prepared to develop Suggested Sequence of Construction plans which balance the needs of the contractor and the public to the extent possible. All key members of the design team have received certification as Traffic Control Supervisor.

3.0 – Methodology:

The Lazenby Team is intimately familiar with the typical LADOTD plan preparation process as outlined in Figures 1-02 and 1-03 of the LADOTD *Roadway Design Procedures and Details Manual*. We recognize that on some TO's to be issued under this contract, not all of the traditional plan submittals (30%, 60%, 90%, etc.) will be necessary, but our team will be flexible in our approach and will be prepared to make whatever submittals the PM deems necessary or beneficial to the project. The methodology that our team will use to successfully complete TO's is as follows:

- **Kick-off Meeting** - Upon receipt of a TO, a Kick-off meeting will be held with LADOTD and local government agency personnel (as applicable) to discuss the project. One of the benefits of this meeting is to allow the design team to gain a clear understanding of the goals of the project and the expectations of the owner. This is an opportunity for our design team to obtain vital information such as as-built plans, previous studies, available traffic data, environmental studies, etc. We will provide minutes from the Kick-off meeting to all attendees.
- **Site Visit -** The Lazenby design team will conduct our initial site visit as part of, or immediately after, the Kick-Off Meeting. This will give the design team the opportunity to evaluate the site and gain a greater understanding of the site characteristics and any potential constraints or challenges.
- **Project Feasibility Report** – We will prepare a Project Feasibility Report in accordance with "LRSP, Local Road Safety Program, and SRTPPP, Safe Routes to Public Places, Project Feasibility Report Minimum Requirements". The report will present a detailed project scope and description, a list of anticipated project costs, an index of anticipated construction plan sheets, and a time schedule for completion of the project.
- **Data Collection** – This phase of the project may involve traffic data collection and typically will involve conducting a topographic survey.
    - Vectura Consulting Services, LLC will be in charge of data collection for traffic studies. Data to be collected would typically include traffic and pedestrian counts, turning movements, speed studies, and ball bank analysis, as applicable to the individual TO.
    - The Lazenby Team has extensive experience in conducting topographic surveys for LADOTD thru previous design projects and multiple survey IDIQ contracts. We have the capability to utilize **terrestrial, mobile or aerial LIDAR scanning**, as well as traditional survey methods, to generate a complete and accurate topographic survey.
- **Preliminary Plans** - After the data collection phase has been completed, the preliminary plan process will begin. **Construction plans will be developed in accordance with standard design guidelines**, including, but not limited to, LADOTD Minimum Design Guidelines, LADOTD *Roadway Design Procedures and Details Manual*, LADOTD *Bridge Design and Evaluation Manual*, LADOTD *Hydraulics Manual,* AASHTO's *A Policy on Geometric Design of Highways and Streets*, AASHTO's *Roadside Design Guide*, and AASHTO's *LRFD Bridge Design Specification.* **The Lazenby Team is familiar with LADOTD's CADD Standards and all plan sheets will be in conformance at each submittal stage.**
    - Plan-in-Hand Submittal – It is understood, based on pages 14 – 15 in the advertisement for this contract, that the initial preliminary

plan submittal for many of the TO's will be essentially a complete set of preliminary plans suitable for conducting a plan-in-hand inspection. This plan set will include a listing of all anticipated pay items, a suggested sequence of construction (as required), and apparent right-of-way and estimated taking lines. On projects involving traffic signalization work, the proposed hardware locations and new signal timings will be complete at this point. This submittal will also include an Opinion of Probable Construction Cost (OPCC). The OPCC will typically be prepared using the Cost Estimating Tools that are available on the LADOTD website. We will provide meeting minutes of the PIH meeting if requested to do so by the Project Manager. Comments received from the Plan-in-Hand Inspection, and all subsequent review comments, will be addressed in writing.

  - 100% Preliminary Submittal – The 100% Preliminary Plan Submittal will include a complete preliminary plan set with all PIH comments addressed. At this point final taking for right-of-way and servitudes will be established. This submittal will also include an OPCC and the Road Design 100% Preliminary Plans QA/QC form. Also, after the PIH inspection, project plans are developed to the point where any necessary Design Exception Requests or Design Wavier Requests can be prepared. These documents, if required, may be included with the 100% Preliminary Plan Submittal or may be submitted independently.
  - Any necessary Permit Sketches and/or permit applications for the Environmental Clearance process will be prepared as part of the Preliminary Plan phase. Wetlands Unlimited, LLC, will be in charge of preparing the necessary permit applications for this contract.

- **Right-of-Way Maps** – Right-of-Way maps will be prepared after taking lines have been established. Lazenby & Associates, Inc., has extensive experience in the preparation of Right-of-Way maps for LADOTD, and is familiar with each stage in the process, including conducting property surveys, Title Take-Offs, preparing base maps, attending Joint Plan Review meetings, and preparing final maps.
- **Final Plans** – After the project has been environmentally cleared, final plan development will begin upon receipt of NTP. It is during this phase of plan development that final detail sheets will be prepared, final quantity estimates will be calculated, and any necessary special provisions are written. We will coordinate with the LADOTD PM to establish or update (as applicable) the schedule for final plan deliverables.
  - 95% Final Submittal – The 95% Final Plan Submittal, or Advance Check Print (ACP) Submittal, will consist of what is essentially a complete set of construction plans, with all necessary plan sheets accounted for in the plan set, including Summary Sheets and Summary of Estimated Quantities sheets. The submittal will also include an updated OPCC and a completed Plan Constructability Review Form.
  - 98% and 100% Final Submittal – Submittals at this stage will include a complete set of construction plans, including Standard Plans and Special Details as applicable, along with any necessary Special Provisions and a revised OPCC. The 98% submittal will include a Stormwater Pollution Prevention Plan and a Contract Time Worksheet. The 100% submittal will include a sealed and signed set of construction plans, a bound set of calculations, a completed Road Design Final Plans QA/QC form (as applicable), and a final OPCC.
- **Traffic Control Design, Traffic Signal Analysis and Design** – All necessary traffic related professional services will be performed by Vectura Consulting Services, LLC. Their team of professional engineers are also certified as PTOE's and have successfully completed the LADOTD Traffic Engineering Process and Report (TEPR) training requirements. Traffic services will be provided in accordance with LADOTD's *Traffic Signal Design Manual*, *Sign Manual*, *Pavement Markings Manual*, and TEPR.
  - If required for a TO, TMP's will be prepared in accordance with EDSM VI.1.1.8. Vectura staff will use their experience working with LADOTD on the TEPR process to successfully implement a Work Zone Impact Management Strategy to develop optimum detour routes and minimize risk and delays to the travelling public.
- **Construction Support** – The Lazenby team has experience providing construction support services, including shop drawing reviews, on previous LADOTD projects and is prepared to assist the Department as necessary during the bidding phase and during the construction phase. We realize that time is of the essence when responding to construction issues and will respond in a timely manner to RFI's, requests to review shop drawings, and providing any necessary plan revisions. We will be available for meetings with DOTD and the Contractor with 24-hour's notice.

- **Special Provision Write-Ups** – Lazenby & Associates has experience writing special provisions for non-standard pay items and is familiar with the format typically used on LADOTD projects. We are prepared to write technical specifications under this contract as necessary if unique situations are encountered for which a standard pay item does not exist.

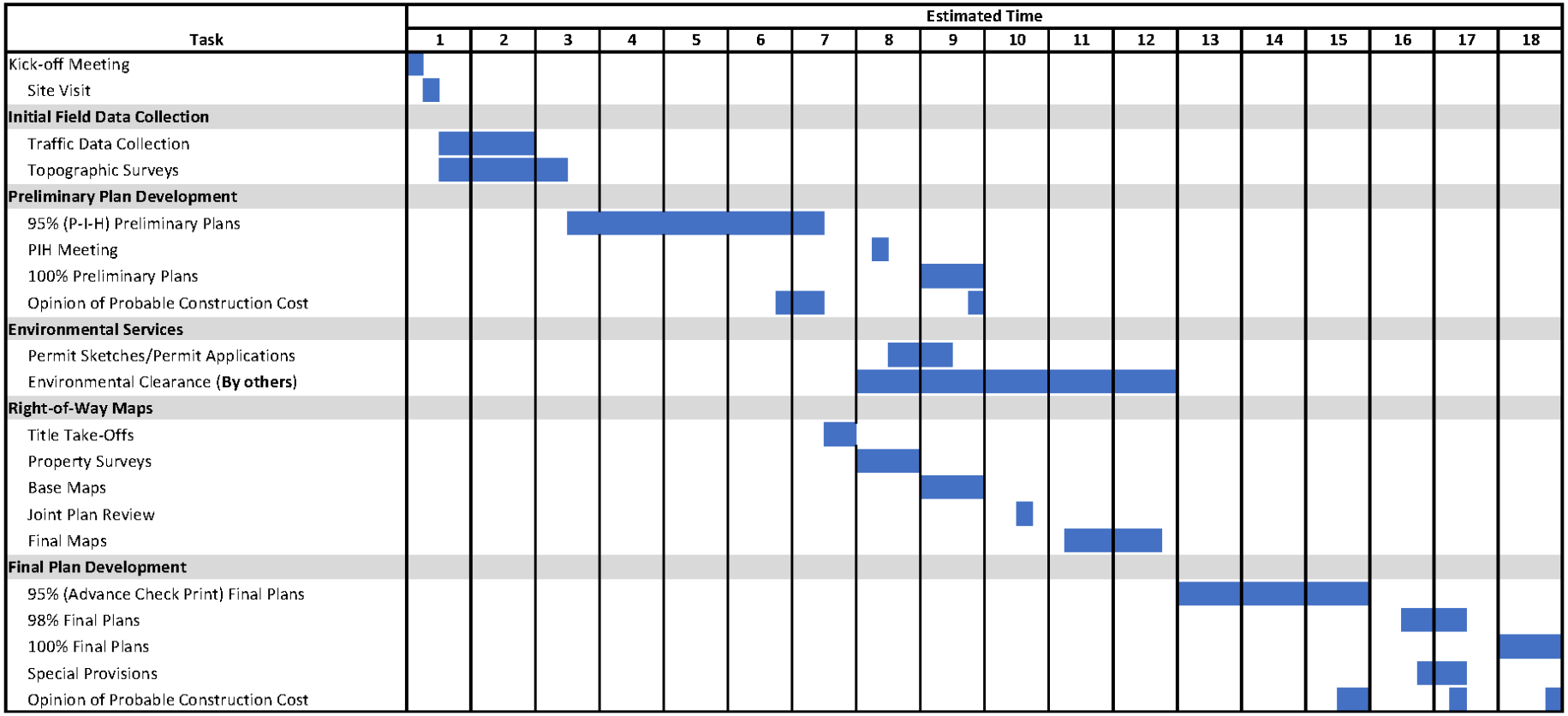
4.0 – Schedule:

Shown below is a typical project schedule that is representative of a TO that could be issued under this contract. Obviously, the time required to complete a project will vary, depending on the project scope and magnitude, and will be dependent on external factors such as LADOTD review times and the time required for environmental clearance.

5.0 – Summary:

In summary, the Lazenby Team members have been providing superior professional services to both LADOTD and local stakeholders for many years. Our team is well qualified for any of the task orders that might be issued on as part of this safety IDIQ contract, and we look forward to teaming with LADOTD on this contract.

Sample IDIQ Design of Safety Project Schedule




Section
19
LAZENBY
& ASSOCIATES, INC.

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where **a)** the consultant selection was made by DOTD, and **b)** a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

1) one of the team's firms is responsible for the performance of the work;
2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
3) the work has not yet been performed and invoiced; and
4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.
List only the portion of the fees attributable to firms on the team.

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Lazenby & Associates, Inc.	Bridge	4400025025 H.015337 (L&A, Inc. 22E048.00)	Infrastructure Investing & Jobs Act (IIJA) Off-System Bridge Program – District 05 (13 Off-System Bridge Structures) (2% Complete)	$1,718,495
	Roadway	4400010428 H.004774.5 (L&A, Inc. 17E051.00)	Kansas Lane-Garrett Road Connector & I-20 Improvements, Ouachita Parish (Road Design-Urban & Road Design-Controlled) (98% Complete)	$144,765
	Survey	4400015236 (L&A, Inc. 18S053.00)	IDIQ Contract for Topographic Surveys – Statewide (District 04, 05, 08 & 58) No Active Task Orders At This Time	
		4400017710 (L&A, Inc. 19S056.00)	IDIQ Contract for Topographic Surveys – Statewide No Active Task Orders At This Time	
		4400019714 (L&A, Inc. 20S038.00)	IDIQ Contract for Hydrographic Surveys - Statewide (Districts 04, 05, 08 & 58)	
			T.O. #2 – Hydrographic Surveying Services – Statewide (Districts 04, 05, 08 & 58) (0% Complete)	$88,838.00
Wetland Unlimited, LLC	Environmental	4400025025 H.015337	Infrastructure Investing & Jobs Act (IIJA) Off-System Bridge Program – District 05 (13 Off-System Bridge Structures)	$227,500

Vectura Consulting Services, LLC	Traffic	H.010616	I-20: LA 544 Overpass Replacement	$120,664
		H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	$51,079
		H.005168.2	New Orleans Rail Gateway Avondale EA	$144,494
		H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
		H.012030.5	KCS RR Overpasses HBI	$28,026
	CE&I	H.007160	EBR Computerized Traffic Signal, Ph VB	$49,600
	ITS	H.011504.5	Alexandria ITS Phase 2	$54,179

(Add rows as needed) DO NOT SUM

* The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.


Sections
20 - 23
LAZENBY
& ASSOCIATES, INC.

20. <u>Certifications/Licenses:</u>

If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank**.

PLEASE SEE ATTACHED SHEETS

Certificate of Completion

presented to

James Ellingburg

for completing the

Traffic Engineering Analysis Process & Report Class
Module 1, 2 & 3

Date: August 11 – 12, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ryan Spillers

for completing the

Traffic Engineering Analysis Process & Report Class
Module 1, 2 & 3

Date: August 11 – 12, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: November 5, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: December 3, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: October 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

21. QA/QC Plan:

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted**.

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (Name must match as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
Wetlands Unlimited, LLC	P.O. Box 1892 West Monroe, LA 71294	Matt Mixon matt@wetlandsunlimited.org	318-732-0962
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809-9636	Sheelagh Brin Ferlito, bferlito@vecturacs.com	225-223-6685

(Add rows as needed)

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement**.